



Edwards

2019

Environment, Health and Safety Report

(covering January 1 to December 31, 2019)



Table of Contents

- Introduction 3
 - EHS at Edwards 3
 - Management Approach 4
 - Materiality and Boundaries 6
 - Changes in 2019 9
 - EHS Targets 9
- Performance Report 11
 - 2019 Performance Summary 11
 - Materials 12
 - Energy 15
 - Water 22
 - Biodiversity 26
 - Emissions 27
 - Waste 35
 - Compliance 41
 - Supplier EHS Assessment 44
 - Occupational Health and Safety 46
 - Security 53
 - Community Engagement 54
 - Data Summary 57
 - Certificates 65



Cover and left photos:
 On September 21, 2019, 105 employees from our Haina, Dominican Republic manufacturing plant participated in Coastal Cleanup Day at Playa Linda Beach. The team collected 2,221 pounds of trash in an effort to keep the local coast clean and protect the natural habitat.

Introduction

Edwards Lifesciences (Edwards) is pleased to present our 2019 Environment, Health & Safety (EHS) Annual Report covering the period from January 1st to December 31st, 2019. This report supplements the 2019 Edwards Sustainability Report, which contains information about the sustainability topics most material to our business and how we manage them. Our EHS Annual Report reflects our progress towards meeting our EHS targets and our commitment to:

- Protect the health and safety of our employees and the environment
- Prevent workplace injuries and illnesses
- Use natural resources and energy more efficiently and reduce emissions, releases and waste
- Implement robust EHS management systems
- Assess and manage EHS impact across our supply chain
- Consult with stakeholders on and raise awareness of EHS issues
- Continually monitor and regularly report our EHS performance

The guiding principles of our EHS Program are stated in our Environment, Health and Safety Policy.

Environment, Health and Safety Policy:

Edwards Lifesciences will provide a safe and healthy workplace, promote environmental excellence in our operations and communities and participate in the EHS programs of our customers and stakeholders. Edwards will comply with relevant government regulations, medical device industry standards and other requirements to which the company subscribes.

Our EHS commitments and Policy are approved by Edwards Executive Leadership, Senior Management, Corporate Sustainability Council and EHS Leaders.

EHS at Edwards

Edwards Lifesciences (Edwards) is the global leader in patient focused medical innovations for structural heart disease, as well as critical care and surgical monitoring. Driven by a passion to help patients, our company collaborates with the world's leading clinicians and researchers to address unmet healthcare needs, working to improve patient outcomes and enhance lives. Headquartered in Irvine, California, Edwards treats advanced cardiovascular disease with its life saving innovations, which are sold in approximately 100 countries. Many of our company's products are considered industry gold standards and over 95% percent of our sales are from products in leading market positions. Edwards has manufacturing operations in North America, Central America, Europe, Singapore and the Caribbean and numerous regional and administrative offices around the world.

At Edwards, we are guided by our Credo which states "through our actions, we will become trusted partners with customers, colleagues, and patients – creating a community unified in its mission to improve the quality of life around the world." Achieving safe, healthy and environmentally responsible operations is an essential part of this philosophy. Strong EHS programs promote employee engagement and satisfaction, strengthen our relationships with the communities in which we operate and allow us to meet and exceed the expectations of our stakeholders. The internal and external benefits of our EHS programs are important to the overall success of our business and help us live up to our Credo and Edwards Aspirations to...

- Transform patient lives with breakthrough medical technologies
- Excel as a trusted partner through distinguished quality and integrity
- Foster an inclusive culture where employees thrive and grow
- Demonstrate passionate engagement that strengthens our communities
- Deliver exceptional shareholder value

More information regarding the importance of our Edwards Sustainability Program, including a statement from our Chairman and CEO, can be found online in our 2019 Edwards Sustainability Report.

Management Approach

The Edwards EHS Management System aligns with the ISO 14001:2015 and ISO 45001:2018 management system principles of the Plan-Do-Check-Act cycle and continual improvement. Critical elements of our EHS Management System include:

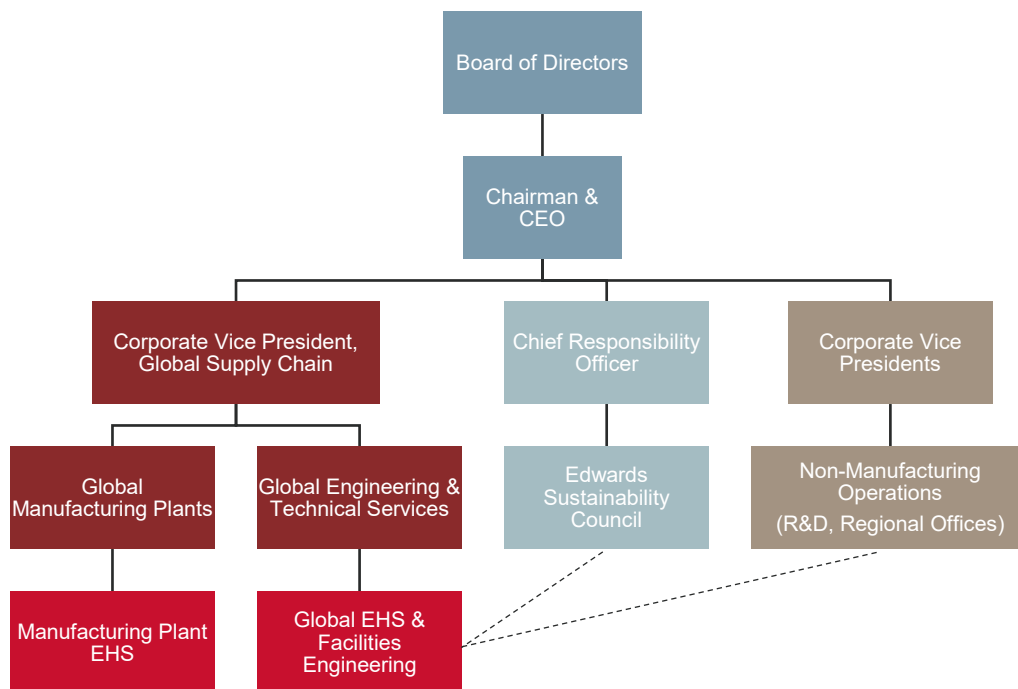
- Establishing an Edwards EHS Policy rooted in our Credo and Aspirations
- Demonstrating leadership commitment to EHS
- Identifying significant risks, opportunities, environmental impacts and health and safety hazards
- Adopting EHS objectives at both corporate and manufacturing plant-levels
- Establishing and implementing systems to maintain compliance, prevent injuries and reduce pollution
- Executing EHS programs, processes and operational controls
- Evaluating performance through internal and third-party audits and management reviews
- Identifying and executing continual improvement opportunities

Reporting Structure, Roles and Responsibilities

In mid-2019, the Edwards EHS structure was reorganized to improve alignment of the Global EHS Team with the business objectives and strategy of Edwards Global Supply Chain (GSC), which includes not only our manufacturing operations, but also our upstream suppliers and downstream distribution partners and customers. The Global EHS Team now reports as part of a new Global EHS & Facilities Engineering function under our Corporate Vice President of GSC. Prior to this realignment, the Global EHS Team reported through Corporate Services and our Chief Financial Officer.

Under this new structure, the Global EHS Team is brought closer to the Edwards manufacturing plants and has been tasked to drive standardization and continual improvement across the Global Supply Chain. The Global EHS Team continues to serve as an integral part of Edwards' sustainability initiatives, with the Senior Director of Global EHS serving as a core team member of the Corporate Sustainability Council. Each Edwards manufacturing plant is supported by its own local management and EHS team.

Edwards EHS and Sustainability Organizational Structure



Role	Responsibility
Chairman & CEO	Responsible for Edwards overall EHS and Sustainability Performance.
Chief Responsibility Officer	Responsible for leading Edwards Corporate Responsibility and Sustainability Programs.
Edwards Sustainability Council	Responsible for developing and driving companywide Sustainability initiatives using a robust management framework. Comprised of a cross-functional team of senior leaders from across the Edwards organization.
Global EHS & Facilities Engineering	Responsible for EHS governance, strategy and goal setting. Establishes EHS global policies and standards, provides subject-matter expertise and develops global tools and systems for all Edwards Operations, both manufacturing and non-manufacturing. Led by the Senior Director of Global EHS & Facilities Engineering and Senior Director of Global EHS.
Manufacturing Plant EHS	Deploys EHS programs, management systems and initiatives to support Edwards global EHS strategy and address manufacturing plant EHS risks and opportunities. Ensures compliance with Edwards standards as well as local rules and regulations. Supports ongoing needs of manufacturing plant operations. Comprised of a team of EHS professionals at each manufacturing plant. Plant EHS leads are members of the manufacturing plant leadership team, reporting directly to each plant leader.

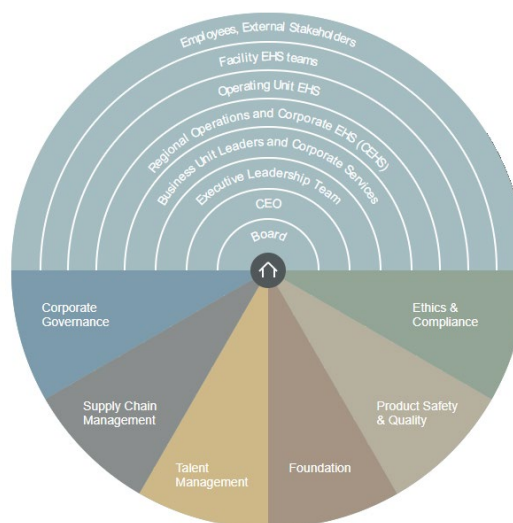
Governance and Accountability

The Compensation and Governance Committee of our Board of Directors has oversight over Edwards sustainability efforts and periodically reviews reports on our progress. Our Chairman and CEO has performance management objectives for improving our sustainability strategy, metrics and disclosures. Led by our Chief Responsibility Officer, the Edwards Sustainability Council develops and drives the implementation of these initiatives. The Sustainability Council comprises leaders from various functions across Edwards, including our Global Senior Director of Environmental Health & Safety. Council members represent their specific areas of responsibility and collaborate to identify aspects and impacts, prioritize risks and opportunities and set short and long-term goals to improve our overall sustainability performance.

Edwards Global EHS and Manufacturing Plant EHS are maintained as separate entities accountable to different functions under Edwards Global Supply Chain. This separation ensures transparency and objectivity when evaluating and reporting the regulatory compliance of manufacturing operations, where the majority of Edwards EHS compliance risk and sustainability opportunities exist. While Global EHS reports through Global Supply Chain, the EHS policies and standards developed under Global EHS apply to all of Edwards employees and operations, such as policies on maintaining compliance, preventing injuries and reducing pollution. Edwards locations also develop site-specific EHS policies and procedures appropriate to local regulations or cultural attributes, which are consistent with and meet the overall requirements of our Global EHS standards.

In order to ensure accountability, Global EHS monitors and reports companywide EHS performance on an ongoing basis to corporate management and relevant business leaders. Edwards manufacturing and non-manufacturing locations are then responsible for assessing and providing the resources (headcount, training, ongoing expense, capital investments) needed to deliver EHS compliance and performance for their areas of responsibility.

Governance map



Grievance Structure, Ethics and Integrity

As part of EHS governance, the Edwards EHS policy and commitments are included in the Edwards Titanium Book of Global Business Practice Standards which establishes our global policies on corporate ethics and expectations. The Titanium Book is printed in multiple languages and available to all employees and suppliers worldwide. In addition, any employee may present an anonymous grievance related to EHS practices through our Edwards Speak-Up Program. Through this program, internal and external parties can report concerns to a third-party hosted Edwards Integrity Helpline or make reports to the Helpline through the internet. Any matter reported through the Helpline is treated confidentially and shared only with those that need to know for purposes of an investigation and, if appropriate, corrective action. Reports can be made anonymously, as permitted by local law. Grievances are reviewed and addressed by Edwards' Chief Responsibility Officer and reported to our CEO when appropriate.



In 2019 there were no internal or external grievances related to EHS concerns reported to Edwards. Edwards was also selected as one of Ethisphere's *World's Most Ethical Companies*, in addition to several other industry awards and accolades. More information about our global integrity and ethics program and for reporting a grievance or concern may be found on the Corporate Responsibility page of the Edwards Lifesciences website.

Materiality and Boundaries

GRI 101

In 2019, Edwards conducted a refresh of our materiality assessment in order to understand any changing priorities in environmental, social and governance (ESG) topics since our first materiality assessment in 2015. More information on the 2019 material assessment, including a description of the methodology used to conduct the assessment, can be found in our 2019 Edwards Sustainability Report.

EHS topics which emerged as material to Edwards are contained in the matrix below:

Materiality matrix



Topic	Description & Boundary
<p>● CLIMATE RISK</p> <p>Tier II</p> <p><i>Strengthening Our Communities</i></p>	<p>“Climate Risk” refers to the risks and potential impacts resulting from the effects of global climate change. These risks include transition risks related to policy, technology, market and reputation, as well as physical risks from extreme weather events, changing weather patterns, rising sea levels and air temperature.</p> <p>At Edwards, risks associated with climate change which may impact the financial well-being of our global business are assessed and managed through our Corporate Risk Management function.</p> <p>Boundaries: Edwards Manufacturing and Non-Manufacturing Operations and Supply Chain</p> <p><i>For more information, see the Emissions section of this Report.</i></p>
<p>● ENERGY & EMISSIONS</p> <p>Tier II</p> <p><i>Strengthening Our Communities</i></p>	<p>“Energy and Air Emissions” refers to direct and indirect energy consumption and emissions of greenhouse gases (GHG), SO_x, NO_x, particulate matter and other hazardous air pollutants which may result from our manufacturing processes and facility operations.</p> <p>Direct energy sources at facilities owned and operated by Edwards include the use of natural gas for space heating and water processes, diesel fuel for emergency generators, propane for auxiliary fuel purposes and gasoline for company-driven vehicles. Our indirect energy includes electricity purchased from utility providers to support operations. Other indirect energy which is not owned or controlled by Edwards includes energy consumed for employee business travel and personal commuting to and from work.</p> <p>Boundary: Edwards Manufacturing and Non-Manufacturing Operations, Employee Business and Personal Commuting</p> <p><i>For more information, see the Energy and Emissions sections of this Report.</i></p>
<p>● ENVIRONMENTAL COMPLIANCE</p> <p>Tier III</p> <p><i>Excelling as a Trusted Partner</i></p>	<p>“Environmental Compliance” refers to the Edwards’ adherence to all applicable laws, regulations, Edwards standards and industry norms related to protecting the environment. We have established environmental compliance programs for air emissions, wastewater, storm water, hazardous waste management and disposal and spill response and prevention.</p> <p>Edwards manages environmental compliance in conjunction with occupational health and safety compliance through the ISO 14001:2015 and ISO 45001:2018 management system frameworks.</p> <p>Boundary: Edwards Manufacturing and Non-Manufacturing Operations</p> <p><i>For more information, see the Compliance section of this Report.</i></p>
<p>● PRODUCT LIFECYCLE</p> <p>Tier II</p> <p><i>Strengthening Our Communities</i></p>	<p>“Product Lifecycle” refers to the process of managing the entire lifecycle of a product through inception, engineering design and manufacture, service and disposal of manufactured products and packaging.</p> <p>For Edwards, product lifecycle refers both our products and packaging with regards to the selection, elimination, management and reporting of <i>materials of concern</i> in compliance with REACH, RoHS, the Montreal Protocol, Conflict Minerals and a variety of other reporting obligations.</p> <p>Boundary: Edwards Manufacturing and Non-Manufacturing Operations</p> <p><i>For more information, see the Materials section of this Report.</i></p>

● WASTE	<p>“Waste” refers regulated or non-regulated waste materials generated at our facilities which may be treated, recycled and or disposed. Regulated waste includes hazardous and biohazardous waste generated primarily from manufacturing operations and R&D activities. Non-regulated waste consists of regular, non-industrial trash. The majority of waste generated by Edwards occurs at our manufacturing plants and is, therefore, the focus in this report.</p>
Tier II	Boundary: Edwards Manufacturing Operations
<i>Strengthening Our Communities</i>	<i>For more information, see the Waste section of this Report.</i>
● WATER	<p>“Water” refers to the withdrawal, consumption and discharge of water for manufacturing processes, facility operations, employee personal use and property landscaping.</p>
Tier II	Boundary: Edwards Manufacturing and Non-Manufacturing Operations
<i>Strengthening Our Communities</i>	<i>For more information, see the Water section of this Report.</i>
● WORKPLACE HEALTH & SAFETY	<p>“Workplace Health & Safety” refers to Edwards’ efforts to protect the well-being of employees and on-site contractors through compliance and injury prevention programs.</p>
Tier II	Boundary: Edwards Manufacturing Operations, Edwards Non-Manufacturing Operations
<i>Excelling as a Trusted Partner</i>	<i>For more information, see the Occupational Health and Safety section of this Report.</i>

Boundary Definitions

“Edwards Manufacturing Operations” includes 7 active global manufacturing plants which are listed below:

Irvine, California (Headquarters)
Añasco, Puerto Rico
Cartago, Costa Rica
Draper, Utah

Haina, Dominican Republic
Shannon, Ireland
Singapore

Note: Our Horw, Switzerland facility was closed in 2018. We continue to report historical numbers for years prior to 2018 for the purpose of comparing to baseline numbers used to measure our performance against targets. Our newest manufacturing plant in Limerick, Ireland is currently under construction and is not included in this report unless specifically referenced.

“Edwards Non-Manufacturing Operations” includes more than 50 global sales and commercial support offices located in the following regions:

North America (NORAM)
Latin America (LATAM)

Japan, Asia Pacific (JAPAC)
Europe, Middle East, Africa (EMEA)

“Employee Business and Personal Commuting” includes employee travel by airplane, train, bus, vehicle and bicycle for business purposes or employee personal commuting to and from work.

Changes in 2019

GRI 102-10

In 2019, Edwards continued to successfully grow in product mix, size, revenue, headcount, real estate and overall manufacturing operations. During this growth, we achieved our long-term injury targets and environmental footprint reduction targets when normalized by workplace hours and company revenue. We identified the following changes in our business operations which have had an impact on our EHS and sustainability reporting:

- Edwards global revenue (sales) increased over 13% from \$3.8 to \$4.3 billion, 2018 to 2019.
- Our headcount grew over 15% to a year-end total of approximately 15,000 employees worldwide.
- We opened our new LEED Platinum-certified lobby at our corporate headquarters in Irvine, California.
- We broke ground on our Irvine campus expansion project which will add 27,900 square meters of R&D and administrative space.
- We began construction on our state-of-the-art permanent manufacturing plant in Limerick, Ireland. Our nearby start-up manufacturing plant in Shannon, Ireland more than doubled in headcount from 2018.
- Our 25,500 square meter Cartago, Costa Rica manufacturing plant was officially opened as part of our plan to globally expand our implant manufacturing network. Edwards Costa Rica operations represent a \$100 million investment in the local economy and will add 500 jobs by the end of 2020.
- We added a second 13,600 square meter building to our Haina, Dominican Republic manufacturing plant to expand our Critical Care operations.
- We increased our nonmanufacturing global real estate, clinical services and administrative functions.

In addition to the business changes above, we have instituted several reporting improvements in our 2019 EHS Report this year including:

- Data summary tables have been provided at the end of this Report for ease of reference. Previously, all data was included in the body of the Report.
- Country-specific data for energy and emissions has been provided in the data summary tables of this Report for added granularity. Previously, region-specific data was included.
- This year, both location-based and market-based methods have been used to calculate greenhouse gas emissions. Previously, only location-based figures were included. This change allows us to more accurately report greenhouse gas emissions and also aligns with widely used environmental accounting methodologies.
- In some sections of this Report, we have revised methodology for reporting environmental data and extrapolated these changes back to past years for consistency. These adjustments were made to allow for greater accuracy. Where adjustments have been made, explanations are included in each section of this Report.

EHS Targets

GRI 103-02

Edwards has adopted 5-Year EHS Plans since 2000, including 2000-2005, 2006-2010, 2011-2015 and, currently, 2016-2020. We systematically improve our planning strategies as we continue to meet the changing needs of our business and stakeholder expectations for EHS compliance, reducing pollution and preventing injuries. These targets are rooted in our Edwards Aspirations and support our overall EHS objectives. Annually, we re-evaluate our goals by reviewing our own performance and by benchmarking peer companies and industry publications to ensure these goals remain relevant. This report covers the period of January 1st through December 31st, 2019 and is the fourth year in our five-year reporting cycle. Performance against our stated EHS targets is the focus of this Report and is covered in detail in the remaining sections.

Our 2016-2020 EHS Targets:

EHS Compliance

- No serious or willful violations
- Achieve ISO 14001:2015 certification at all existing manufacturing plants by the end of 2018 and at new manufacturing plants within 3 years of start-up
- Prepare for ISO 45001:2018 certification at all manufacturing plants (certification target planned for next 5-year cycle)

Injury and Illness Prevention

- Beat medical device industry benchmark for recordable injuries and illnesses (RIR) by 25%, based on publicly reported industry injury rates












Environmental Stewardship

- Maintain 0% change in energy use*
- Achieve 15% reduction in water use*
- Achieve 20% reduction in hazardous waste disposal*
- Achieve 20% reduction in non-hazardous waste disposal*
- Maintain 0% change in greenhouse gas emissions*
- Complete packaging lifecycle assessments and improvements to reduce 15% packaging waste for targeted high-volume commercial products by 2020
- Complete a global energy assessment by 2020

* *normalized by annual revenue*

Performance Report

2019 Performance Summary

2016-2020 Targets	2016-2019 Performance
➤ No serious or willful violations	 Target achieved 0 serious or willful violations
➤ Achieve ISO 14001:2015 certification at all existing manufacturing plants by the end of 2018 and at new manufacturing plants within 3 years of start-up	 Target achieved 100% existing plants certified; start-up locations are on plan
➤ Prepare for ISO 45001:2018 certification at all manufacturing plants (certification target planned for next 5-year cycle)	 Target achieved 43% plants certified; remaining plants are on plan
➤ Beat medical device industry benchmark for recordable injuries and illnesses (RIR) by 25%, based on publicly reported industry injury rates*	 Target achieved 58% below industry benchmark
➤ Maintain 0% change in energy use, normalized by annual revenue	 Target achieved 9% reduction
➤ Achieve 15% reduction in water use, normalized by annual revenue	 Target achieved 18% reduction
➤ Achieve 20% reduction in hazardous waste disposal, normalized by annual revenue	 Target at risk 3% reduction
➤ Achieve 20% reduction in non-hazardous waste disposal, normalized by annual revenue	 Target at risk 5% reduction
➤ Maintain 0% change in greenhouse gas emissions, normalized by annual revenue	 Target achieved 23% reduction
➤ Complete packaging lifecycle assessments and improvements to reduce 15% packaging waste for targeted high-volume commercial products by 2020	 Target achieved 5 projects completed with 15% or greater reduction in packaging waste; total reduction of 150,000 kg/yr (based on current sales volumes)
➤ Complete a global energy assessment by 2020	 In progress Planned for 2020

* Includes Edwards employees and temporary employees, based on OSHA incidence rate calculation of: (# incidents x 200,000)/hours worked; 2018 USA Bureau of Labor Statistics, NAICS 3391: Medical Equipment and Supplies Manufacturing Additional metrics including 5-year historical results are available in the Data Summary section of this Report.

Materials

2016-2020 Target

- Complete packaging lifecycle assessments and improvements to reduce 15% packaging waste for targeted high-volume commercial products by 2020

2016-2019 Performance



Target achieved

5 projects completed with 15% or greater reduction in packaging waste; total reduction of 150,000 kg/yr (based on current sales volumes)

More information on progress towards our packaging reduction target can be found in our 2019 Edwards Sustainability Report.

Management Approach

GRI 103

At Edwards, we are committed to designing packaging systems which meet customer and medical device regulatory requirements, while remaining cost-effective and minimizing impact to the environment. As we strive to continually improve our packaging, we are required to balance a number of risks and opportunities including cost of packaging, materials and resource availability, stringent medical device packaging and labeling requirements, stakeholder expectations and shipping costs.

There are many regulatory and industry restrictions which dictate or limit our options when it comes to decisions regarding material selection and renewable vs. non-renewable resources, recycled content and reclaimed products and their packaging materials. Our goal is to ensure our products are fully compliant with chemical and materials regulations and medical device requirements. We have procedures in place to assess the materials in our packaging and products and make continual improvements to ensure our products are free of banned or environmentally adverse materials. Safety procedures, material selection criteria and our design processes also protect our employees and the public by limiting exposure to potentially harmful chemicals, air pollution and wastes.

Materials considerations related to regulatory requirements, quality, social issues, environment, employee safety and community health are embedded in the work of our Product Stewardship Steering Committee. Our Product Stewardship Steering Committee is led by our Corporate Director of Product Stewardship and meets on a quarterly basis to provide updates on the status of each business unit's activities as well as updates on new or revised chemical regulations that may impact Edwards Lifesciences and our customers. The Committee also provides employee training within Edwards.

Product Materials and Disclosures

Edwards is committed to meeting our material content disclosure requirements, such as REACH, RoHS, Conflict Minerals, California Proposition 65 and local disclosures as applicable. Information regarding our materials strategies and disclosures (including Conflict Minerals) is further discussed in our 2019 Edwards Sustainability Report.

In February 2018, we created a new Supplier Portal that automates the process of collecting supplier responses into our Material Compliance Module. The collection and reporting of our product materials aligns with the United Nations Sustainable Development Goals SDG 8: Decent Work and Economic Growth and SDG 12: Responsible Consumption and Production.



Our newly designed VascuPouch replaces a previous plastic tube design for a 15% reduction in packaging weight per unit. This new design is expected to result in a 3,580 kg packaging waste reduction annually.

In many instances, we are asked to provide specific product or packaging materials and environmental information during our customer qualification and tender bidding processes. Although requests come from across the globe, our most common requests are from our customers in Europe, specifically France, Germany, Italy and Spain. We also have larger purchasing groups who frequently make inquiries regarding our overall sustainability efforts, including global responsibility, social programs, energy, greenhouse gases, packaging and product material content. In addition, we screen our suppliers to ensure they are compliant with local environmental and safety regulations, as well as reporting of REACH, RoHS, Conflict Minerals and related materials regulations and restrictions.

Packaging Materials

Environmental considerations are incorporated into Edwards packaging design, development and qualification processes and procedures. Our goal is to develop and implement packaging systems which not only meet our customer and industry requirements, but also facilitate safer, more efficient and cost-effective delivery while minimizing our impact to the environment. Our Packaging Engineering teams are continually searching for and evaluating options for alternate materials, processes and sterilization methods that may improve packaging performance while reducing wastes and air emissions.



Packaging used for interplant shipment of Surgical Structural Heart implant devices was redesigned from a 24-pack to a 48-pack style. The new design reduces packaging materials by 31.8%. Anticipated packaging waste reduction from the new design will be 1,241 kg per year.



Heart valve packaging previously required 36 TagAlerts® per box. Newly redesigned packaging allows for just 4 TagAlerts® per box, resulting in an 88% packaging weight reduction and anticipated packaging waste reduction of 2,766 kg per year. TagAlerts® must be disposed as electronic or hazardous waste in many countries; therefore, this project reduces both overall packaging waste and customer regulated waste.

Appropriate recycling logos, stamps and insignias are used on packaging materials as required for EU Packaging Waste Directive 94/62/EC and Electronic & Waste Directive 2002/96/EC. Environmental packaging initiatives have resulted in reduced packaging materials and less waste. In addition, stronger durability, smaller package sizes and improved pallet configurations have resulted in improvements in overall shipping efficiencies through our global supply chain initiatives.

In 2019, Edwards completed five significant projects to achieve our goal of reducing packaging by 15% in targeted, high-volume commercial products, resulting in a total reduction of 150,000 kgs per year of packaging waste (based on current sales volumes). More information on our progress towards our packaging reduction target can be found in our 2019 Edwards Sustainability Report.

Project Description	Packaging Reduction Results
Transcatheter Heart Valves Crimper Kit Size	15.2% reduction in packaging materials 142,000 kg/year waste reduction
Surgical Structural Heart Bulk Ring Interplant Shipment	31.8% reduction in packaging materials 1,241 kg/year waste reduction
Transcatheter Mitral & Tricuspid Therapies Cardioband™ 1.5 Bundle Box	50% reduction in packaging volume
Critical Care VascuPouch Reduction Project	15% reduction by weight 3,580 kg/year waste reduction
Global Supply Chain Tag Alert® Reduction Project	88% reduction by weight of electronic waste 2,766 kg/year waste reduction

Recycled Material Input

GRI 303-2

Medical device regulations and industry standards restrict or ban the use of recycled or reused materials in our products and primary packaging materials. This topic is not considered material for Edwards.

Reclaimed Products and Packaging

GRI 303-3

Hospitals, clinics and other customers are required to manage used medical products and packaging materials in accordance to their own local medical waste and biohazardous materials regulations, handling and disposal controls. This topic is not considered material for Edwards.

Energy

2016-2020 Target	2016-2019 Performance
➤ Maintain 0% change in energy use, normalized by annual revenue	 Target achieved 9% reduction

Additional metrics including 5-year historical results are available in the Data Summary section of this Report.

Management Approach

GRI 103

The scope of Edwards' energy management program covers our areas of operational control and includes all owned and leased locations across the globe, including all manufacturing locations and non-manufacturing regional offices. Additionally, Edwards considers energy consumed outside of our organization which is a result of employee commuting and business travel. Our approach towards managing energy is consistent with our overall EHS management approach of Plan-Do-Check-Act, continual improvement, governance and assignment of roles and responsibilities discussed earlier in the *Introduction: Management Approach* and *EHS Compliance* sections of this Report. Annually, each manufacturing plant assesses its energy-related aspects and impacts and incorporates appropriate energy conservation and protection objectives into annual operating plans. At a companywide level, we continually assess our energy-related risks, which include higher energy costs, unreliable supply, intermittent energy outages due to natural and manmade disasters and long-term adverse impact on the environment from greenhouse gas emissions. We then assess opportunities to mitigate these risks and reduce overall environmental impact. Specific to energy, we have an opportunity to ensure our newly constructed manufacturing plants and existing facility renovation projects incorporate energy-efficient design and infrastructure. Additionally, we are looking closely at our energy mix and finding ways to increase our use of renewable energy sources.

For reporting purposes, Edwards tracks energy consumption in the following categories:

Energy Type	Source	Examples
Direct	Natural gas Diesel fuel Propane Gasoline	Steam boilers Emergency generators Forklifts, cogeneration plant, cafeteria use Gasoline for company-operated vehicles
Indirect	Electricity	Electricity purchased from utility providers Renewable electricity generated on-site from solar panels
Outside the Organization	Business Travel Employee Commuting	Air & rail travel Individual vehicle, bus, rail, pedestrian transport to and from work

Our energy target is based upon an evaluation of past performance, risks and opportunities, as well as benchmarking against peer companies in the medical device industry. As Edwards continues to rapidly grow, we have chosen to set a normalized energy target based upon annual revenue.

Edwards compiles direct and indirect energy use data for our global manufacturing plants through review of utility provider invoices, purchasing records and onsite logs. Our method for estimating direct and indirect energy use at each non-manufacturing office location is based upon square footage and published energy use factors. An adjustment has been made in this year's Report with regard to 2015-2018 non-manufacturing office direct energy calculations to ensure consistency across years for the purpose of reporting against our target. The overall impact of this adjustment was a less than 1% change in total energy use from figures previously reported. Based on records and estimation factors, we have adopted a 0.95 confidence level in reporting of our direct and indirect energy use data.

For energy used outside the organization from sources that Edwards does not own or control, such as energy used for business travel and employee commuting, we verify employee travel records through our travel management partner and estimate employee commuting choices through the use of questionnaires, sales team mileage reimbursement reports, Edwards commuting program registrations (e.g. onsite electric vehicle charging station records, employee

ridership programs, MetroLink accounts) and parking lot surveys. We have adopted a 0.80 confidence level for our “other indirect” energy use data.

Edwards has openly reported our energy management practices and metrics through CDP (formerly Carbon Disclosure Project) since 2014. These public reports may be found at www.cdp.net.

Direct and Indirect Energy Use

GRI 302-1, GRI-302-3

Edwards uses direct and indirect energy onsite for cooling, heating, steam generation, cogeneration, lighting, emergency diesel generators, company-owned vehicles, manufacturing equipment and office equipment. A breakdown of energy use by application is below.

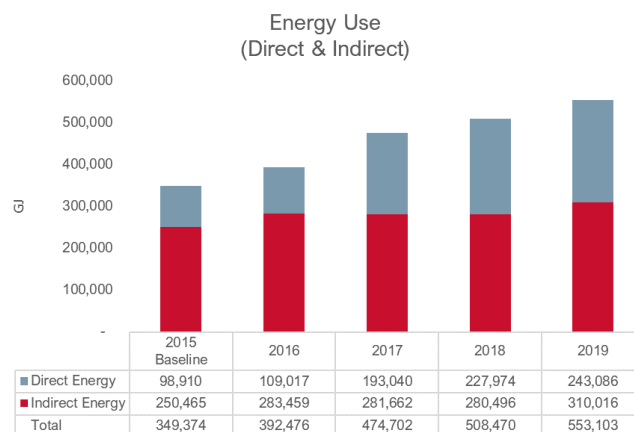
Application	Manufacturing Energy Use (GJ)	Non-Manufacturing Energy Use (GJ)	Total Energy Use (GJ)
Electricity Cooling, lighting, manufacturing equipment, office equipment	279,791	30,226	310,016
Natural Gas Space heating, water heating, steam generation, manufacturing systems & equipment	99,789	16,727	116,515
Diesel Fuel Emergency generators	21,648	0	21,648
Propane Cogeneration plant, cafeteria	103,537	0	103,538
Gasoline Company-operated vehicles	1,385	0	1,385
Total	506,150	46,953	553,103

Edwards generates onsite electricity primarily from our propane cogeneration plant in Puerto Rico and solar panel systems at our Irvine, CA headquarters and Nyon, Switzerland European headquarters. For the purposes of this Report, all energy consumed during the process of generating onsite electricity is reported in the tables and graphs above. To avoid double-counting, electricity generated onsite is not included in this data, however, more information regarding our onsite electricity generation begins on page 20 of this Report.

In 2019, Edwards consumed a total of 553,103 GJ of energy at our global manufacturing and non-manufacturing locations. Approximately 56% of this was indirect energy purchased from utility providers. The remaining 44% was direct energy generated from onsite owned or controlled sources at our manufacturing and non-manufacturing locations. This represents an increase in absolute direct and indirect energy of 9% over 2018 and an increase of 58% over our 2015 baseline year.

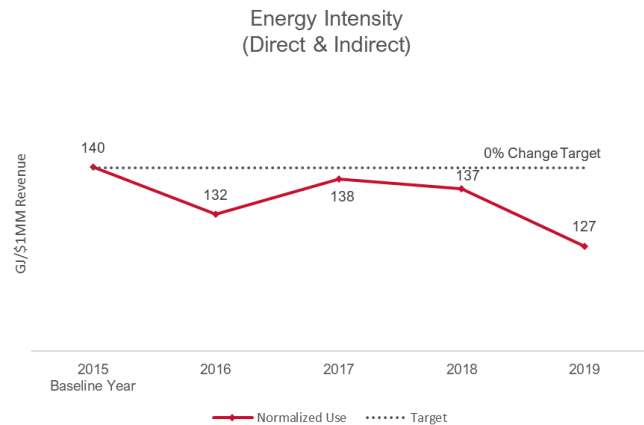
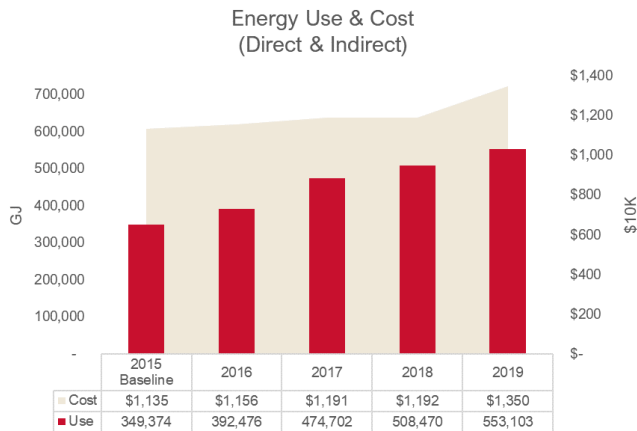
However, since 2015, Edwards has grown in size and revenue much faster than we have increased our energy use. When normalized by annual revenue, Edwards’ energy intensity has reduced 9% since 2015. This result beats our five-year 0% change in energy use target.

From 2015 to 2019, our average cost of energy decreased from \$32.49 to \$24.41 per GJ. This decrease in energy cost over time can be attributed to the startup of our cogeneration plant in Puerto Rico, a reconfiguration in our electrical distribution system in Irvine and organic growth of our Irvine and Draper sites which have relatively lower energy costs,



NOTE: Direct energy increased from 2017 to 2019 as a result of starting up our onsite propane cogeneration plan in Puerto Rico.

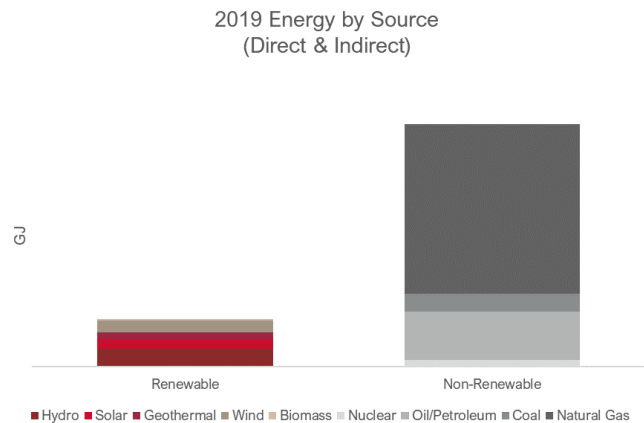
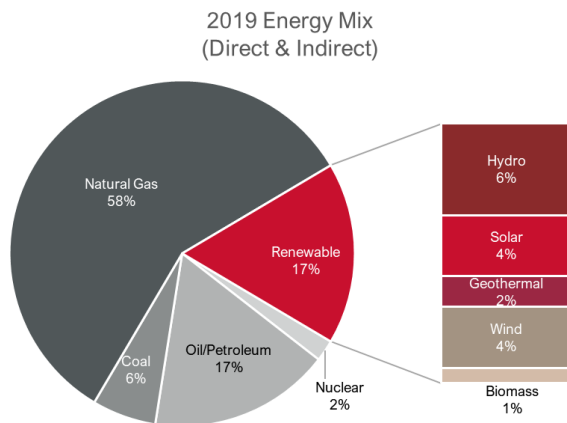
when compared to our other manufacturing plants. The overall impact of our year-over-year energy intensity and cost reductions has been nearly \$17 million in energy cost avoidance from 2016 to 2019.



Direct and Indirect Energy Mix

GRI 302-1

In 2019, Edwards received 17% of our energy from renewable sources like hydroelectric, solar, geothermal and wind energy. The remaining 83% of our energy came from traditional fossil fuel-based sources like natural gas, coal and oil. This is a 24% improvement from 2018, when Edwards' renewable energy consumption was 13% of total energy.



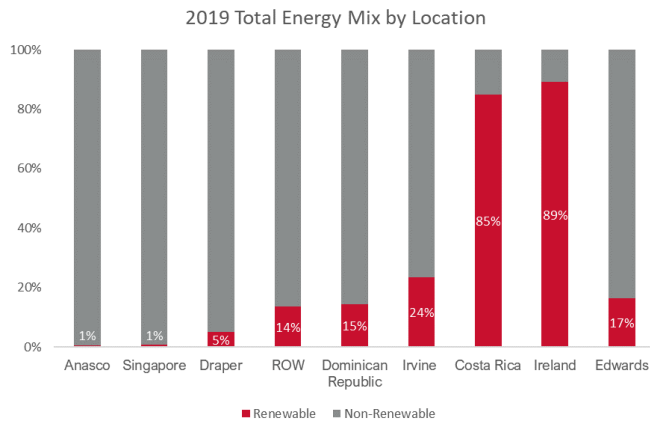
As Edwards continues to evolve on our sustainability journey, we realize the importance of investing in renewable energy. Evidence of this is our latest investments to build energy efficient, LEED-certified facilities in Costa Rica and Ireland, where we are constructing our newest manufacturing plants, and in Irvine, where we are expanding our current headquarters campus. While we are already seeing the impact of these investments a significant improvement in renewable energy in 2019 versus 2018, it is expected that when these manufacturing plants come on-line and reach full capacity, our use of renewable energy will increase further and our reliance on fossil fuel-based energy will significantly decrease. We are estimating that by the year 2025, we will have doubled our renewable energy mix and between 30-40% of our total energy consumption will be from renewable sources.

In Costa Rica, over 99% of the electricity received from the public utility comes from renewable sources, primarily hydroelectric. While some propane is required at our Costa Rica manufacturing plant to power onsite boilers and cafeteria equipment, the remainder of the plant is powered by Costa Rica's "green" energy. In 2019, the Costa Rica manufacturing plant comprised only 6% of Edwards' total energy use. As the Costa Rica plant continues to grow, a larger proportion of Edwards' manufacturing work will be supported by renewable energy sources.

In Ireland, where we have established a start-up manufacturing plant in Shannon and await final construction in 2021 of our much larger manufacturing plant in Limerick, our local electricity partner is providing us with 100% renewable energy, primarily in the form of wind energy. In 2019, Ireland operations comprised less than 1% of Edwards' total

energy use. As our Ireland manufacturing capabilities come online over the next several years, we will see a significant shift in our energy mix towards more renewable sources.

At our other global locations, we continuously look for opportunities to invest in renewable energy sources. For example, at our Draper, UT manufacturing plant, we are looking at establishing contracts with our local utility provider to provide us a “greener” energy mix through their local sourcing and technology opportunities. At our Irvine, CA headquarters we continue to add solar panels with every facility expansion project. At our Dominican Republic, Singapore and Puerto Rico manufacturing locations, although renewable energy opportunities are not as readily available due to local infrastructure constraints, we are continuously looking for opportunities to reduce overall energy consumption by investing and upgrading our existing facilities and manufacturing equipment.



Application	2019 Result
Non-renewable fuels purchased and consumed (TJ)	126.6
Non-renewable steam/heating/cooling purchased (TJ)	116.5
Non-renewable electricity purchased (TJ)	220.1
Renewable electricity purchased (TJ)	89.9
Total non-renewable energy (TJ)	463.2
Total renewable energy (TJ)	89.9
Total cost of energy (\$USD)	\$13,503,938

Energy Use Reduction

GRI 302-4

Over 91% of Edwards total energy use occurs at our seven global manufacturing locations. Approximately 60-70% of all energy consumed in our manufacturing locations is used to preserve the integrity of our clean room manufacturing environments, which includes providing constant air circulation and maintaining narrow temperature and humidity ranges. Our manufacturing areas typically use about eight times more energy per square foot than our non-manufacturing and office areas. The high energy use at our manufacturing sites is essential to maintain the quality and efficacy of our life-saving medical devices by ensuring we meet FDA and other regulatory-driven quality requirements.

Our reductions in year-over-year energy intensity can be attributed to steady, incremental improvements in energy efficiency at our manufacturing locations. In 2019, four manufacturing plants (Irvine, CA, Draper, UT, Puerto Rico, and Singapore) held energy use at or below 2018 levels, despite increased throughput, capacity and square footage.

In 2019, our Irvine manufacturing plant restored approximately 5,128 square meters of roofing with a reflective elastomeric coating, which is expected to result in a 20-25% reduction in energy used for building cooling. An additional 1,097 linear meters of insulation was replaced which will reduce energy used for heating and cooling an additional 10-15%. Also, in 2019, 108 energy-efficient LED lamps were installed to replace existing lighting. This project is expected to result in a 57% reduction in energy use for lighting in the areas where the LED lamps were installed.



New roof coating, insulation and lighting installed at our Irvine manufacturing plant in 2019 contribute to incremental energy efficiency improvements at the site.

In Puerto Rico, we invested over \$1,250,000 in four key projects in 2019 to improve the energy efficiency of our facility infrastructure. It is expected that these improvements will result in more than 600,000 kWh annual savings in energy use at our Puerto Rico manufacturing plant. For example, we replaced three less-efficient air conditioning systems for



Energy conservation projects at our Puerto Rico manufacturing plant in 2019 included installation of a new cooling tower system which is integrated into the building management system, variable speed drive air compressor, clean room air handling unit and liquefied petroleum gas vaporizer for the cogeneration plant.

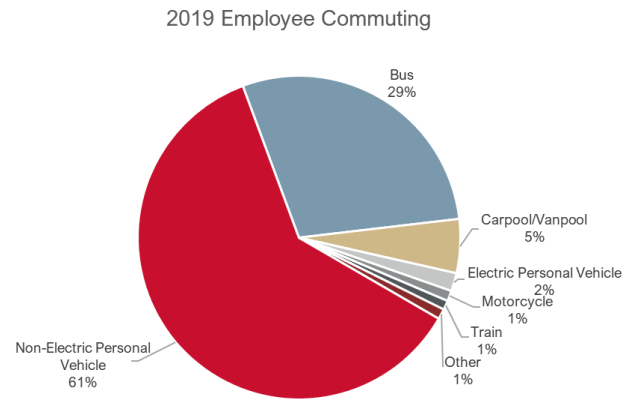
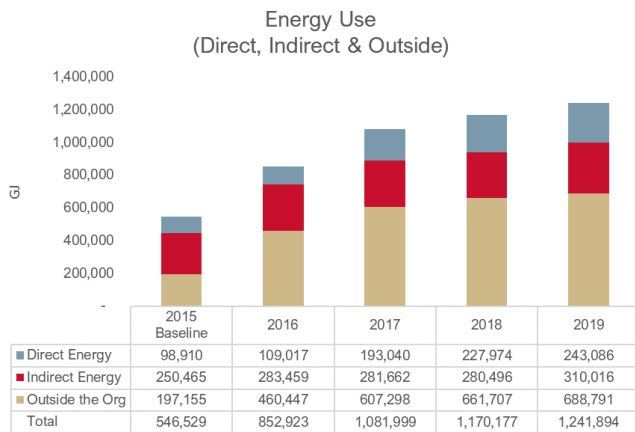
one main air handling unit, both eliminating ozone-depleting substances (ODS) R-22 and integrating the equipment into an energy-efficient building management system (BMS). Other projects included the replacement of an outdated compressor with a more efficient version equipped with variable speed drives, integration of an existing cooling tower into our BMS while adding three more efficient pumps, and completion of the second phase of our cogeneration plant which allows reuse of hot water, a system byproduct.

Energy Use Outside the Organization

Edwards tracks and reports energy consumption for business travel and employee commuting. Business travel includes employees traveling for the purpose of work by air or rail. We began tracking and incorporating business travel data into our reporting in 2015. Employee commuting includes employee daily travel to and from the normal workplace. Daily mileage logged by our sales teams and field-based clinicians is also included in our employee commuting data. We began tracking and incorporating employee commuting data into our reporting in 2016. In 2019, we adjusted our calculations for both 2018 and 2019 to assume 260 commuting days per year. Previously, 2018 data had been calculated using a 235-day model.

Outside the Organization Energy Use (GJ)	2015	2016	2017	2018	2019
Business Travel Air, rail	197,155	226,553	262,140	304,890	357,720
Employee Commuting Individual vehicle, bus, train, motorcycle	Did not track	233,894	345,158	356,817	331,071
Total	197,155	460,447	607,298	661,707	688,791

In 2019, 688,791 GJ of energy was consumed outside the organization for business travel and employee commuting. While this represents a 4% increase in absolute energy use over prior year, the rise has been far outpaced by company growth, with headcount increasing 15% and revenue increasing almost 17% from 2018 to 2019. This downward trend in energy intensity (when compared to headcount and revenue) can be attributed to increased employee participation in energy-efficient commuting alternatives such as bus, train and vanpool ridership and use of hybrid and electric vehicles. When considering Edwards total energy use, the energy used for business travel and employee commuting is more than 25% higher than the combined direct and indirect energy consumed by our manufacturing and non-manufacturing site operations (see supporting data on page 20 of this Report). We, therefore, continue to focus effort on promoting the use of energy-efficient, alternative commuting by our employees.



Over 99% of Edwards business travel is by air. Approximately 65% of this air travel is in the North America region. The majority of Edwards business travel by rail occurs in Europe. Travel in all global regions increased steadily in 2019, consistent with Edwards' growth in revenue and employee headcount.

For employee commuting, nearly 40% of our employees travel to work in alternative, more energy-efficient modes of transportation such as by bus, carpool or vanpool, hybrid and electric vehicle, motorcycle, bicycle or other means.

Bus commuters make up approximately 29% of our global workforce. Edwards is proud to provide and sponsor dedicated bus services to our employees at our three largest manufacturing plants in Singapore, Costa Rica and the Dominican Republic. Our bus services provide rides to approximately 3,800 employees to and from work. This effort reduces single car commuting by almost 55,000,000 kilometers each year.

In Singapore and the Dominican Republic, we provide fully sponsored, no-cost tour-style coaches and local bus services to approximately 3,400 employees. In Costa Rica, we provide low-cost subsidized bus services from local suppliers for over 350 employees. This number will likely grow to about 600 employees by the end of 2020 and continue to increase as our plant in Costa Rica scales up to full capacity and headcount.

In addition to bus transport, Edwards supports alternative commuting through carpool and vanpool programs, commuter train subsidies and onsite electric-vehicle charging. Our employee commuting program offerings vary by site and are tailored to meet the needs of the local employee population and commuting profile.

For example, at our Irvine, CA headquarters, 102 electric vehicle charging ports have been installed onsite in Edwards' parking structures to support the more than 230 electric-vehicle drivers who work there. In addition to installing the charging stations, Edwards promotes the use of electric vehicles by providing our Irvine employees 2-hours of free charging each day for their vehicles, which is typically sufficient to power their commutes to and from work each day. In 2019, these stations had an over 75% utilization rate during workday hours.



Buses at our Costa Rica manufacturing plant queue up to transport Edwards employees home at the end of the day.

Energy Generated

Our commitment to solar energy at our sites not only helps to reduce costs, but also provides clean, renewable energy to our local utility providers.

At our Irvine, CA headquarters we continue to expand our solar energy generation capacity. Our existing photovoltaic panel systems generates approximately 145,000 kwh per summer month (June through September). In 2019, we finalized an additional system on the top floor of a newly constructed parking structure. We expect this newest system to generate an additional 55,000 kwh of renewable energy per summer month to increase our overall onsite solar generation capacity to 200,000 kwh per summer month. This clean energy generation is equivalent to the amount of carbon that would be sequestered from 2,338 trees. In 2021, we plan to open our new Irvine research and development center, which will be equipped with additional photovoltaic panel systems.

Other global Edwards facilities, like our EMEA/LATAM headquarters in Nyon, Switzerland, are also equipped solar panel systems.

Additionally, in 2017, we installed a propane-fueled cogeneration plant at our Puerto Rico manufacturing plant to provide a reliable source of onsite energy and substitute for the primarily oil-fueled and “less green” electricity provided by the local utility.


Energy from Products and Services

Energy consumption from the use of Edwards’ medical devices and professional services by our customers and stakeholders is minimal and not material to Edwards’ overall environmental footprint.



Our EMEA/LATAM leadership shows off newly installed solar panels at our Nyon, Switzerland regional headquarters.

Water

2016-2020 Target	2016-2019 Performance
➤ Achieve 15% reduction in water use, normalized by annual revenue	 Target achieved 18% reduction

Additional metrics including 5-year historical results are available in the Data Summary section of this Report.

Management Approach

GRI 103, GRI 303-1

The scope of Edwards' water management program covers our areas of operational control and includes all owned and leased locations across the globe, including all manufacturing locations and non-manufacturing regional offices. Our approach towards managing water and effluents is consistent with our overall EHS management approach of Plan-Do-Check-Act, continual improvement, governance and assignment of roles and responsibilities discussed earlier in the *Introduction: Management Approach* and *EHS Compliance* sections of this Report. Annually, each manufacturing plant assesses its water-related aspects and impacts and incorporates appropriate water conservation and protection objectives into annual operating and capital investment plans. At a companywide level, we continually assess our water-related risks which include higher cost of water, water shortages and rationing, fluctuations in water quality and unreliable water delivery in the case of drought or other climate-related changes. We then assess opportunities to mitigate these risks and reduce our overall environmental impact. Specific to water, we have identified the opportunity to reduce water consumption through the installation of water-efficient facility design, equipment and fixtures, install recycling or reuse systems where possible, and partner with local utility providers on water recycling programs.

Our water target is based upon an evaluation of past performance, risks and opportunities, as well as benchmarking against peer companies in the medical device industry. As Edwards continues to rapidly grow, we have chosen to set a normalized water target based upon annual revenue.

Compared to general industry and our medical device peers, Edwards does not require a significant amount of water in our manufacturing operations or processes, nor does Edwards store a significant amount of water onsite at any of our global locations. Instead, the majority of water used at Edwards facilities is for employee handwashing, personal consumption, cafeteria and restroom use, landscaping and facilities equipment support. Process water is used at some manufacturing facilities for production-related equipment and tooling, washing and chemical solutions dilution.

For reporting purposes, Edwards compiles water use data for our global manufacturing plants through review of utility provider invoices, purchase records, on-site logs, water permit records and/or monitoring device records. On the average, Edwards manufacturing locations use approximately 150 to 175 liters of water per day per employee. Our method for estimating water use at each non-manufacturing office location is based upon employee headcount and an assumption that each employee uses approximately 60 liters of water per workday for personal hygiene and consumption, over a period of 260 workdays per year. Based on records and estimation factors, we have adopted a 0.90 confidence level in reporting of our water data.

Edwards has openly reported our water management practices and metrics through CDP (formerly Carbon Disclosure Project) since 2014. These public reports may be found at www.cdp.net.

Water Withdrawal

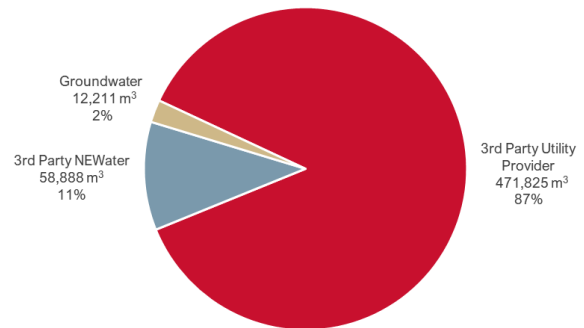
GRI 303-3

In 2019, Edwards water withdrawal was 542,924 cubic meters. Across Edwards, 87% of our water is provided by third-party public utility providers. The remaining water is sourced from a variety of onsite and offsite sources.

In addition to receiving water from the public utility, our Singapore manufacturing plant receives 43% of its water from the Singapore government's NEWater systems. NEWater is high-grade reclaimed water produced from used water treated with UV disinfection and advanced membrane technologies. NEWater is ultra-clean and safe to drink. Currently, Singapore's NEWater treatment plants can now meet up to 40% of the country's water needs. By 2060, NEWater is expected to meet up to 55% of Singapore's future water demand. Edwards is proud to partner with Singapore to utilize this breakthrough and effective technology to provide 11% of our company's total water supply.

At our Puerto Rico manufacturing plant, approximately 25% of water comes from onsite wells. This well water comprises approximately 2% of our global water withdrawal.

2019 Water Withdrawal



Water Recycling

In 2018, our Dominican Republic manufacturing plant installed an onsite wastewater treatment plant. Prior to its installation, much of the business park's wastewater was discharged to the sanitary sewer with limited treatment. Now, in addition to treating our discharge water, the wastewater treatment plant allows us to collect and recycle up to 30% of the treated wastewater for reuse in our restrooms and other non-potable water applications. In 2019, recycled water from the treatment plant totaled 3,847 cubic meters and 7% of the manufacturing plant's water use. Globally, this translates to about a 1% contribution towards our overall water sourced. In the future, we expect this contribution to continue to increase by 400%. Water recycled from our Dominican Republic wastewater treatment plant helps us meet our water use needs without withdrawing additional water from the natural environment.

Additionally, several of our global locations have facilities equipment and landscaping systems which reuse water. For example, our Costa Rica manufacturing plant has installed systems to collect, filter and reprocess chiller water for repeat use. At our Irvine, California headquarters, water used to irrigate our Living Wall is collected in an underground tank, treated and recycled to minimize water withdrawal for irrigation.

Recycled wastewater is not included in our water withdrawal total but is counted towards our water use metrics.



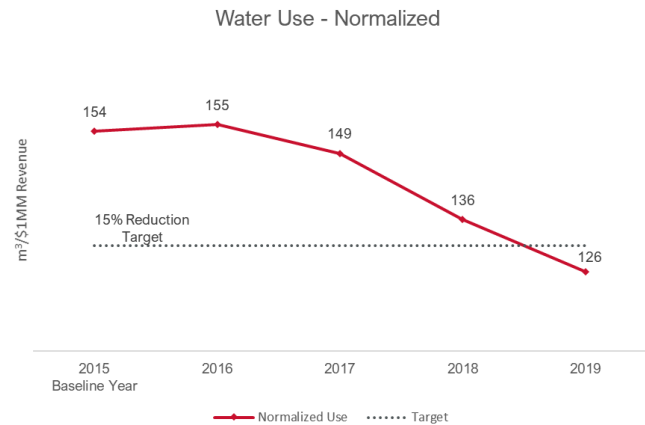
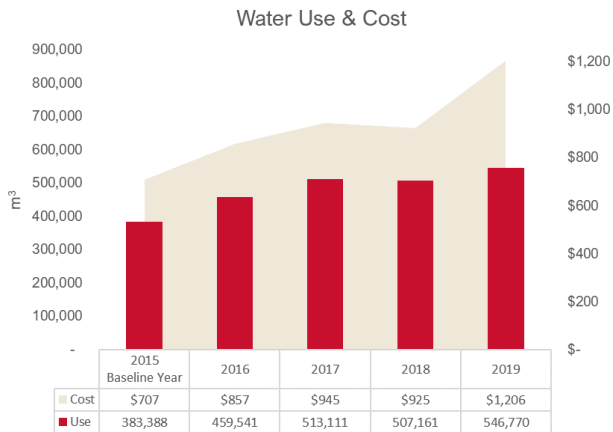
A water recycling system at our Irvine, California headquarters irrigates our Living Wall. Additionally, artificial turf installed in our Central Park reduces water withdrawal for landscape irrigation.

Water Use

GRI 303-5

In 2019, Edwards used 546,770 cubic meters of water. This represents an increase of 8% over prior year, and an increase of 43% over our 2015 baseline year. Since 2015, Edwards has grown in size and revenue faster than we have increased our water use. When normalized by annual revenue, Edwards has reduced water use by 18% since 2015. This result beats our five-year 15% reduction target. We believe that, when measured against revenue, our water use is 40% less than our industry peers.

Our average water cost has increased from \$1.84 to \$2.21 per 1,000 liters from 2015 to 2019 due to inflation and local pricing structures. Despite this increase in water cost, overall impact of our year-over-year reduction in water use intensity has been approximately \$407,000 in water cost avoidance from 2016 to 2019.



Water use reduction efforts at Edwards have focused primarily on incorporating water-efficient equipment and landscaping into our facility design and construction projects. This includes the installation of low-flow appliances and fixtures (waterless urinals, low flush toilets, hands free sinks, smart irrigation systems), use of air-cooled chillers in place of cooling towers and drought-tolerant landscaping in water-stressed regions.

In 2019, our Draper, UT manufacturing plant revamped its traditional landscaping with xeriscaping. Xeriscaping reduces or eliminates the need for supplemental water from irrigation. The landscaping changes have contributed to a 29% reduction in water use at the site over prior year.



New xeriscaping at our Draper, Utah manufacturing plant has resulting in a significant savings in water use.

Water-Stressed Regions

According to the World Resources Institute (WRI) Aqueduct, a global water risk-mapping tool, only our Irvine, California manufacturing plant and corporate headquarters is located in a “high” water stressed region. In 2019, this total water withdrawal and total water use at this site was 204,661 cubic meters, with 100% of the water sourced from a third-party public utility.

Our Draper, Utah manufacturing plant is located in a “low-medium” water stressed region. The remaining manufacturing sites are located in “low” stress regions or areas where water stress data is not available.

Most of our global non-manufacturing locations are small office spaces which serve fewer than 50 people. While regional office water use, in global aggregate, is considered a material reporting topic, we do not report individual office water withdrawal and use in relation to local water stress levels. This is because water use volumes for each individual site are very low.

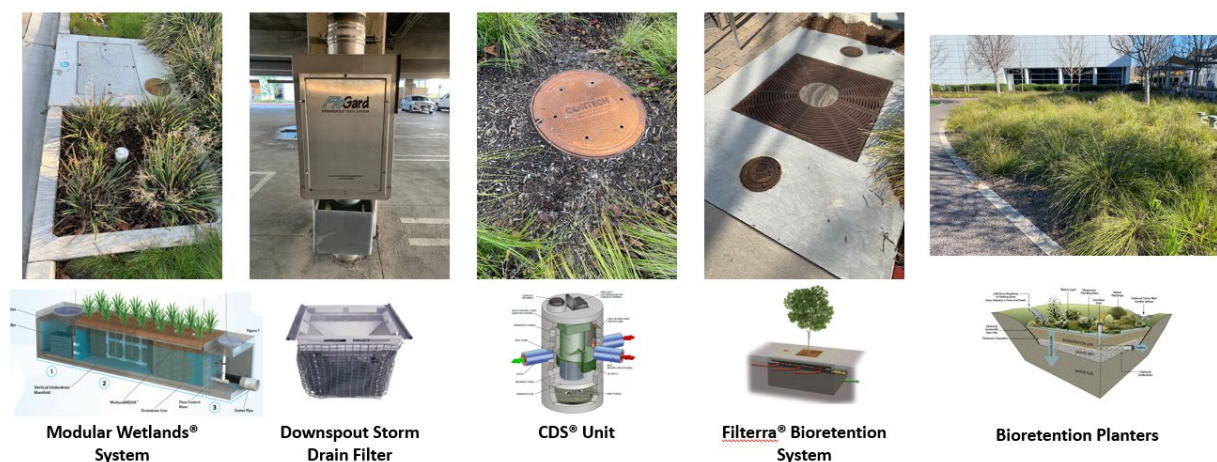
	Irvine, CA	Draper, UT	Dominican Republic	Puerto Rico	Costa Rica	Ireland	Singapore
Water Stress Level	High	Low-Medium	Low	Not Available	Low	Low	Not Available
2019 Water Withdrawal (m³)	204,661	32,276	49,941	48,027	38,494	689	138,286
2019 Water Use (m³)	204,661	32,276	53,788	48,027	38,494	689	138,286

Water Discharges

Water quality discharge requirements at each Edwards site are determined by local regulations and discharge limits. While we do not consolidate water discharge data at a companywide level, the Global EHS team ensures sites meet applicable limits for discharges through periodic audits. Parameters of concern include toxics, pH, total organic compounds, particulate matter, oil and grease and other potential contaminants.

We do not discharge to any open lakes, rivers, reservoirs or other fresh water sources. In most cases, discharges to the sanitary sewer are regulated through general or source-specific permits issued by the local water agency. Monitoring devices, automatic gate valves and alarm systems are also installed as needed to ensure compliance with local requirements and industry best practice. For more information on industrial wastewater discharges, see the *Effluents and Waste* section of this Report.

Edwards does not conduct industrial operations in outdoor, storm water-exposed areas. All three of our US facilities in California, Utah and Puerto Rico are covered under No Exposure Certificates (NECs) in accordance with the Environmental Protection Agency (EPA) Clean Water Act. In addition, structural and non-structural source control best management practices (BMPs) are employed at each of our facilities to prevent contamination of storm water. These BMPs include common area landscape management and litter control, regular inspection of catch basins, parking lot sweeping and maintenance, garbage dumpster coverage, secondary containment for chemical use and storage areas, spill and high-level alarm systems for fuel and oil-based equipment, employee training and labeling of storm drains. Additionally, low impact development (LID) and treatment control BMPs are incorporated into any new construction projects. LID and treatment control BMPs include installation of stormwater treatment units, bioretention planters and bioswales which filter storm water prior to discharge to the environment.



Pictured are just some of the low impact development and treatment control best management practices employed at our Irvine, California headquarters. Storm water controls are intended to remove potential pollutants such as metals, pesticides, nutrients and other organics from the rainwater and landscaping irrigation which falls onto our Corporate campus and drains to the nearby Newport Bay and Sand Diego Creek watersheds.

Biodiversity

Management Approach

GRI 103

At Edwards, we respect biodiversity by minimizing environmental impacts from our operations and encouraging our employees to work with our communities to enhance the health of our local ecosystems. Biodiversity is not considered by our external or internal stakeholders to be a material topic for Edwards. Nevertheless, we consider the risk and potential impact on local ecosystems when making key decisions regarding our facilities and manufacturing operations.

Impacts on Biodiversity

GRI 304-1, GRI 304-2

No Edwards owned or leased facilities are located in protected areas or areas of high biodiversity value, according to the World Database of Protected Areas compiled by the UN Environment World Conservation Monitoring Centre. We currently operate seven manufacturing sites in five different countries and over 100 regional offices throughout the world. Each of our manufacturing sites is located in clean industrial or mixed-use areas adequately provided with infrastructure capacities which help us limit our environmental impacts; including such items as clean drinking water, wastewater treatment plants, access to air pollution control technologies, mass transportation, clean fuel sources and appropriate waste disposal options. Two of these sites are located in international trade-zone industrial parks which typically host a variety of other non-national companies and are controlled to a cleaner extent than their neighboring communities. Our other five sites are located in industrial parks or mixed industrial/residential areas and are thereby obligated to manage their environmental aspects appropriately.



Construction is underway at our new state-of-the-art manufacturing plant in Limerick, Ireland. The new facility is designed for LEED Platinum status.

Ireland: In 2019, we broke ground on our newest manufacturing plant in Limerick, Ireland. During our property selection process, we conducted a thorough evaluation of environmental risks, including those related to cultural artifacts, protected wildlife and storm water run-off impacts. This manufacturing plant will be LEED Platinum certified and nearly all energy will be renewably sourced to ensure we uphold our commitment to minimize our impact to the environment.

Costa Rica: In 2019, we officially opened our state-of-the-art manufacturing plant in Cartago, Costa Rica, which has grown to almost 700 employees, with an additional 500 planned headcount before the end of 2020. Our new 25,500 square meter manufacturing plant is being designed to uphold Costa Rica's environmental reputation and Edwards' commitment to promote this eco-friendly image. In fact, almost 100% of the energy used to operate our new plant is derived from non-fossil fuel sources, including hydroelectric and thermal sources of energy, which helps us drive down the impact of climate change. Technology for the disposal of hazardous and non-hazardous wastes also allows for waste-to-energy (WTE) recovery during incineration. Our Costa Rica plant is in the process to become LEED certified.

As part of our ISO:14001 environmental management system strategy, manufacturing plants routinely assess their environmental aspects and impacts with respect to local biodiversity. From this assessment, plants then establish specific and measurable environmental objectives to reduce their significant impacts. Progress towards achieving objectives is monitored at regular intervals and reported to senior management.

Habitats Protected or Restored

GRI 304-3

While there are no Edwards locations located in habitat protected areas nor subject to habitat restoration, our employees volunteer in habitat reforestation and other community outreach activities in order to enhance our local habitats and help strengthen our communities. More information on our community outreach activities can be found in the *Community Engagement* section of this Report and the *Volunteerism & Giving* section of the 2019 Edwards Sustainability Report.

Emissions

2016-2020 Target

- Maintain 0% change in greenhouse gas emissions, normalized by annual revenue

2016-2019 Performance

 **Target achieved**
23% reduction

Additional metrics including 5-year historical results are available in the Data Summary section of this Report.

Management Approach

GRI 103

Edwards is committed to reducing adverse air emissions resulting from all aspects of our business. The scope of our emissions management program covers our areas of operational control and includes all owned and leased locations across the globe, including all manufacturing locations and non-manufacturing regional offices. Additionally, Edwards measures emissions generated outside of our organization which result from business travel and employee commuting. Specifically, four categories of emissions are considered for reporting purposes:

- Scope 1 greenhouse gas emissions from direct energy used within our organization
- Scope 2 greenhouse gas emissions from indirect energy used within our organization
- Scope 3 greenhouse gas emissions from energy used for business travel and employee commuting
- Other significant or toxic air emissions including ozone-depleting substances (ODS), Nitrogen oxides (NOx), Sulphur oxides (SOx), particulate matter (PM) and hazardous air pollutants, including ethylene oxide (EO)

Our approach towards managing emissions is consistent with our overall EHS management approach of Plan-Do-Check-Act, continual improvement, governance and assignment of roles and responsibilities discussed earlier in the *Introduction: Management Approach and EHS Compliance* sections of this Report. At a companywide level, we continually assess our emissions-related risks, which include potential costs and taxes related to greenhouse gas emissions, additional regulatory obligations, stakeholder dissatisfaction and damage to Edwards reputation and impacts from short-term and long-term climate change. We then assess opportunities to mitigate these risks and reduce our overall environmental impact. Specific to emissions, we have opportunity to reduce our energy intensity across the organization and shift towards renewable energy sources, engage in transparent and public reporting of environmental data, and develop robust business continuity and emergency preparedness plans. We are also focused on ensuring effective air pollution treatment controls for manufacturing processes which generate pollutants of concern, such as ethylene oxide used for our medical device sterilization process.

Our emissions target is based upon an evaluation of past performance, risks and opportunities, as well as benchmarking against peer companies in the medical device industry. As Edwards continues to rapidly grow, we have chosen to set a normalized emissions target based upon annual revenue.

Edwards is specifically focused on reducing greenhouse gas emissions resulting from our Scope 1 and Scope 2 emissions. Approximately 90% of our Scope 1 and Scope 2 greenhouse gas emissions are generated from our seven global manufacturing sites. For this reason, we track and manage our energy and emissions at each manufacturing plant closely. Annually, each manufacturing plant assesses its energy and emissions-related aspects and impacts and incorporates appropriate energy conservation and emissions reduction objectives into annual operating and capital investment plans.

For greenhouse gas reporting, Edwards follows the accounting principles outlined in *The Greenhouse Gas (GHG) Protocol Corporate Standard* and *GHG Protocol Scope 2 Guidance*. The methods for collecting energy data, which serve as the basis for Scope 1 and Scope 2 greenhouse gas reporting, is described in the *Energy* section of this Report. Scope 2 greenhouse gas emissions are calculated using both location-based and market-based methods. For the



Electric vehicle charging stations at our Draper manufacturing plant encourage alternative, low emission commuting.

purpose of reporting against our current emissions target, Edwards uses location-based data. Edwards does not use offsets when calculating greenhouse gas emissions.

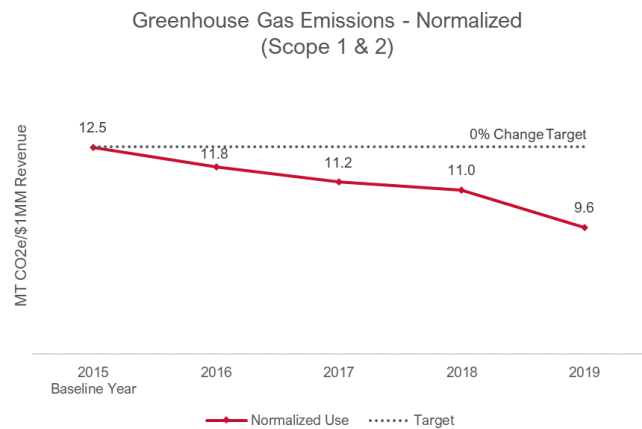
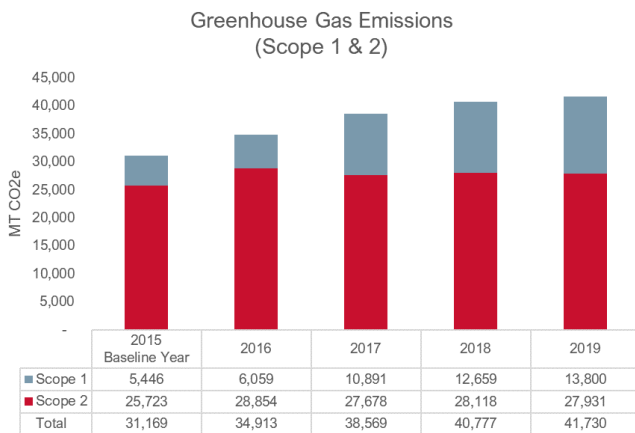
As noted in the *Energy* section of this Report, an adjustment has been made in this year’s Report with regard to 2015-2018 non-manufacturing office direct energy calculations to ensure consistency across years for the purpose of reporting against our targets. The overall impact of this adjustment was a less than 1% change in total greenhouse gas emissions from figures previously reported. Information on the specific emissions factors used to calculate our greenhouse gas emissions is detailed in the *Data Summary* section of this Report. Based on our methodology, we assume a confidence level of 0.95 in reporting of our Scope 1 and Scope 2 greenhouse gas emissions. Additionally, our Scope 1 and Scope 2 greenhouse data has undergone an external assurance process, provided by Apex Companies, LLC. A verification statement is included at the end of this Report.

Edwards has openly reported our emissions management practices and metrics in through CDP (formerly Carbon Disclosure Project) since 2014. These public reports may be found at www.cdp.net.

Scope 1 & 2 Greenhouse Gas Emissions

GRI 305-1, 305-2, 305-4

In 2019, Edwards Scope 1 and 2 greenhouse gas emissions from our global manufacturing and non-manufacturing locations totaled 41,730 MT CO₂e. Approximately 67% of this was Scope 2 emissions from purchased electricity. The remaining 33% was Scope 1 emissions generated from onsite use of fossil fuels at our manufacturing and non-manufacturing locations. This represents an absolute increase in greenhouse gas emissions of 2% over prior year and an increase of 34% over our 2015 baseline year.

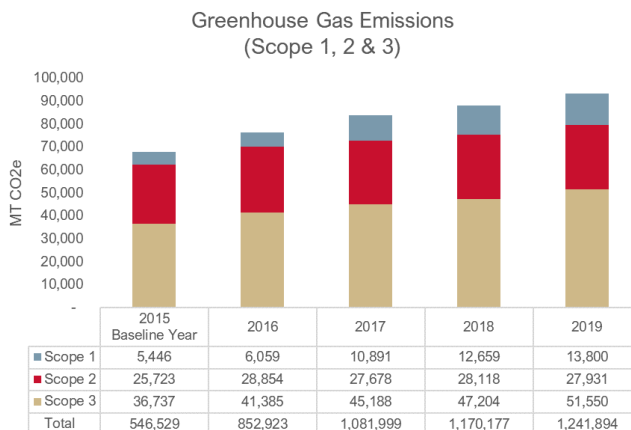


Since 2015, Edwards has grown in size and revenue much faster than we have increased our greenhouse gas emissions use. When normalized by annual revenue, Edwards’ greenhouse gas intensity has reduced by 23% since 2015. This result beats our five-year 0% change target.

Scope 3 Greenhouse Gas Emissions

GRI 305-3

Edwards’ Scope 3 greenhouse gas emissions reporting covers emissions from business travel and personal commuting. Business travel includes employees traveling for the purpose of work by air or rail. Personal commuting includes employee daily travel to and from the normal workplace. Daily mileage logged by our sales teams and field-based clinicians is included in our employee commuting data. For more information on methodology used to collect travel and commuting data, see the *Energy* section of this Report. While Edwards has programs in place to support the reduction of greenhouse gas emissions from Scope 3 sources, we have not adopted formal reduction targets in this category.



In 2019, our Scope 3 greenhouse gas emissions for business travel and personal commuting totaled 51,550 MT CO₂e. While this represents a 9% increase in emissions over prior year, the rise has been far outpaced by company growth, with headcount increasing 15% and revenue increasing almost 17% from 2018 to 2019. This downward trend in greenhouse gas emissions (when compared to headcount and revenue) can be attributed to increased participation in energy-efficient employee commuting alternatives such as bus, train and vanpool ridership and the use of hybrid and electric vehicles. For more information on this topic, see the *Energy* section of this Report. When considering Edwards total greenhouse gas emissions, the emissions generated outside the organization for business travel and employee commuting is more than the internal Scope 1 and Scope 2 emissions combined.

Greenhouse Gas Emissions Reductions

GRI 306-5

Our reduction in greenhouse gas emissions intensity can be attributed to increases in renewable energy and incremental improvements in energy efficiency at most of our global manufacturing plants. More information on specific 2019 projects and progress in this area is included in the *Energy* section of this Report.

One of the key initiatives driving Edwards’ renewable energy and energy efficiency gains is our approach to facility design and construction. Edwards has implemented a robust, global construction strategy which ensures that all new and renovated buildings are constructed in a manner which minimizes environmental impact, including greenhouse gas emissions. This approach began in the mid-2010’s, with improvements and expansions to our Irvine headquarters, and continues with momentum into the construction of our two newest manufacturing plants in Costa Rica and Ireland, as well as a multi-building expansion project that is underway in Irvine.

Part of our global construction strategy includes pursuing Leadership in Energy and Environmental Design (LEED) certification whenever feasible. To gain LEED certification, Edwards has incorporated sustainable design principles into our buildings including sustainable site selection, energy efficient lighting power and controls, energy-efficient equipment and appliances, renewable energy sources, low-emitting materials, alternative transportation provisions, recycled materials, water use reduction measures, and enhanced commissioning. In the past five years, Edwards has received LEED certification for two major construction projects and plans to pursue LEED certification for 3 additional projects which are scheduled for completion in 2020 and 2021.



In 2019, construction started on our campus expansion project. The new state-of-the-art “Dream Big Complex,” which is planned for LEED certification, will house R&D laboratories and administrative offices.

Location	Project	Level	Year
Irvine, CA	"Life is Now Center" administrative building	Gold	2016
Irvine, CA	Starr Atrium	Platinum	2017
Irvine, CA	"Dream Big Complex" R&D and administrative buildings	Planned 2021	
Costa Rica	New manufacturing facility	Planned 2021	
Limerick	New manufacturing facility	Planned 2021	

Ozone-Depleting Substances

GRI 305-6

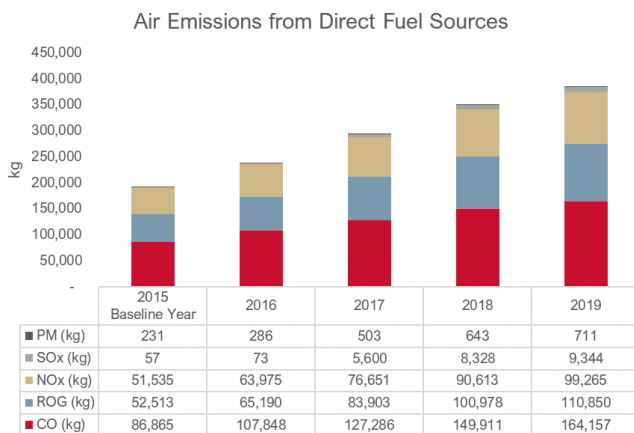
Edwards has eliminated all ozone-depleting substances (ODS) from our manufacturing operations, including Freon previously used for cleaning and degreasing of products. Although we still use ODS in some of our air-conditioning systems, including R-22, R-134A and R-410A, we have processes to leak test each unit, recover any spent ODS during maintenance and report emissions to our local air quality management agencies. In 2020, our Puerto Rico facility replaced three older R-22 air conditioning systems with a single, new ODS-free air handling unit and chiller.

Because our global emissions of ODS are minimal we do not consider them material nor significant to our air emissions reduction efforts. It is estimated that no more than 25 kilograms of ODS is emitted annually from all of our locations worldwide. As Edwards leases most of our global non-manufacturing locations, we are not able to control or track the ODS usage for air handling equipment in these office buildings.

Other Significant Air Emissions

GRI 305-7

We track hazardous air pollutants and toxic emissions from manufacturing processes and facilities equipment including nitrogen oxides (NOx), sulfur oxides (SOx), reactive organic gases (ROGs or VOCs) and air toxics, such as ethylene oxide. Many of our manufacturing locations report air emissions annually to government agencies as required by local regulation. Emissions calculations and reporting are verified by Global EHS during periodic audits to ensure accuracy and compliance with permits and local limits. We also install air pollution control equipment where it is available and technologically feasible, such as installing catalytic convertors on emergency generators, dust collectors in machine shops and treatment systems for our sterilization operations.



We calculate NOx, SOx, ROG/VOC, PM, and CO based on combustion of direct energy sources at our manufacturing facilities. Although our manufacturing room isopropyl alcohol cleaning processes generate fugitive VOC emissions, we do not include fugitive VOC emissions in our companywide data at this time. However, individual locations report their site VOC fugitive emissions as necessary to their local government air quality management agencies. We assume a 0.90 confidence level for the hazardous air pollutant emissions reported.

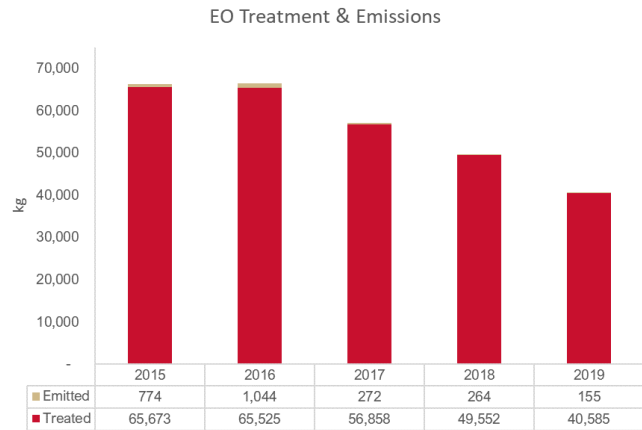
In 2019, air emissions increased in every category as compared to prior year. This can be attributed to the increased activity and output at each of our global manufacturing locations as well as installation of a propane-fueled cogeneration plant at our Puerto Rico facility in 2017.

Ethylene Oxide Emissions

At our Puerto Rico facility, we perform EO sterilization for both Edwards and non-Edwards medical device products. Our EO sterilizer operates under stringent US OSHA and EPA regulations to protect our employees, neighbors and local environment. We treat or neutralize over 99% of all of the EO processed at our facility prior to discharge to the atmosphere. We have also installed a continuous emissions monitoring system (CEMS) to measure EO output on an ongoing basis and provide alarms or warnings if EO levels become a concern. As required by regulation, the effectiveness of our control technology is verified by the local environmental agency at regular intervals, and whenever changes in the equipment occur.

In 2019, Edwards had no EO emissions exceedances.

EO emissions were reduced 41% over the prior year due to a decrease in throughput and increase in pollution control effectiveness and efficiency. The increase in pollution control efficiency was primarily due to a change-out of our control device filtration media. A decline in throughput is attributed to both changing business demand as well as a deliberate decision to transfer some medical device product families to alternative methods of sterilization, which eliminates the need for EO sterilization. Further improvements are planned in 2020 to capture and treat fugitive emissions, as well improve our sterilization cycle efficiency.



Climate Risk

Edwards identifies and assesses climate-related risks as part of an integrated approach to managing overall business risk. Edwards has established an Enterprise Risk Council to guide the company risk management strategy. Led by our Vice President of Risk Management and comprised of key executive and senior leaders, the Council meets quarterly to conduct a systematic review and mitigation planning for strategic, operational, financial, regulatory, cybersecurity and climate-change risks. The Council periodically reports strategy, key findings and progress directly to the Edwards Board of Directors in accordance with Task Force on Climate-related Financial Disclosures (TCFD) recommendations. Additionally, Edwards' property insurer – a global leader in resiliency engineering and business continuity – periodically assesses each of Edwards manufacturing sites to help identify opportunities for continued property enhancements that help protect from climate-related risks.

In assessing climate-related risks, Edwards conducts formal analysis of the likelihood, potential consequence and required response related to various climate change impacts. In this assessment, Edwards considers both transition and physical risks. Through risk analysis, the following areas have been determined to be of particular interest and materiality to Edwards:

Category	Climate-Related Risk	Potential Impact to Edwards
Regulations & Policy	<ul style="list-style-type: none"> Increased pricing, taxes, cost of greenhouse gas emissions Enhanced emissions reporting obligations Litigation exposure 	Edwards considers the risk of current and emerging regulations to be relevant. This includes the cost associated with enhanced regulatory reporting obligations, additional regulatory requirements for Edwards products and services, and potential carbon tax. For example, in California, the enactment of Assembly Bill 32, California Global Warming Solutions Act of 2006 set a goal to reduce statewide greenhouse gas emissions to 1990 levels by 2020 and to 80% below 1990 levels by 2050. Legislation such as AB 32 has the potential to impact the cost of compliance for Edwards. Impacts from the Paris Agreement may also create additional regulatory obligations and cost for Edwards global operations.
Technology	<ul style="list-style-type: none"> Substitution of existing processes and distribution channels for lower emissions technologies Costs to transition to lower emissions technologies Opportunities to explore renewable energy sources and agreements with utility providers 	Edwards considers the impact of technology to be relevant, as we continue to invest in technologies which contribute towards our reduced carbon footprint. This includes both the replacement of current equipment with lower emissions options, such as our installation of our cogeneration plant in Puerto Rico, as well as the cost to transition to lower emissions technologies, such as installation of solar panels which is aligned with our commitment to renewable energy and low-environmental impact construction strategies.

Market	<ul style="list-style-type: none"> • Changing customer preferences during tender bidding process • Increased demands from investors and stakeholders • Uncertain conditions in global markets • Decreases in reliability of supply chain needs and requirements 	Edwards considers changes in global and local markets to be relevant. Of specific interest are increased cost for raw materials and increased demands from investors and stakeholders to meet sustainability performance expectations. Cost of raw materials has impact on both direct materials used in manufacturing, as well as fuel costs which impact energy generation, supply chain distribution and employee transportation.
Reputation	<ul style="list-style-type: none"> • Impacts of community and public perceptions • Increased internal and external stakeholder interests or concerns 	Edwards considers our reputation and public image to be highly relevant, especially in regard to our products and patient safety. As stated in our Credo and company Aspirations, we strive to be a “trusted partner” to our stakeholders and local communities. Undesirable environmental events or performance would have a negative impact on our reputation and business.
Acute Weather Change	<ul style="list-style-type: none"> • Increases in severity or frequency of extreme weather events • Impacts from unreliable utilities 	Edwards considers acute weather changes such as extreme weather events and changing precipitation levels to be relevant. This risk is especially relevant to Edwards locations located in the Caribbean region, which encounter seasonal tropical storms and hurricanes.
Chronic Weather Change	<ul style="list-style-type: none"> • Impacts from changes in precipitation patterns or general weather cycles • Impacts of rising temperatures and sea levels 	Edwards considers chronic weather changes such as increased global air and sea temperatures to be relevant. This pertains specifically to the potential for water scarcity in water-stressed regions where Edwards facilities are located, as well as increased risk of wildfire which may impact the supply chain.

Edwards addresses and mitigates these climate-related risks through a variety of approaches:

Environmental Targets: As part of our overall Sustainability strategy, Edwards sets short and long-term environmental targets and objectives to drive improvements in climate-risk areas. Edwards’ timeframes for short and long-term target timeframes set in consideration with TCFD recommendations. Long-term targets typically span five to seven years, in alignment with Edwards’ strategic planning cycle, and are set at the companywide level. These targets cover the climate-related topics of energy consumption, greenhouse gas emissions and water use. Progress towards meeting long-term targets is reported to Edwards leadership, Board of Directors and the public annually. Short-term environmental objectives, which span one to two years and support Edwards’ long-term targets, are established at the site level based upon locally relevant aspects, impacts, risks and opportunities. Progress towards meeting short-term objectives is reported through site leadership at regular intervals throughout the year. Financial incentives are provided to Edwards management for achieving Sustainability and climate-related targets.

EHS Management System: Edwards has established EHS management systems consistent with the ISO14001 and ISO45001 management systems at each of our global manufacturing locations. As part of these management systems, each location evaluates environmental risks and opportunities at a site-level every year. This risk analysis helps establish site-level EHS objective-setting and business continuity planning. For more information on our ISO14001 and ISO45001 management systems, refer to the *Compliance* section of this Report.

Business Continuity Planning: All Edwards major manufacturing and office locations have established business continuity plans. These plans are intended to ensure operational resiliency in the event of a natural or manmade disaster. Plans are reviewed and revised on a periodic basis, and proactive measures are taken to ensure adequate processes, equipment and provisions are in place to both prevent and respond to various emergency scenarios. For example, emergency generators have been installed at all Edwards manufacturing plants to prevent business disruption in the event of a power failure. In areas where severe storms or hurricanes are a threat, equipment is secured to rooftops and facility drainage patterns are assessed and improved to prevent flooding. Edwards also conducts tabletop reviews at each facility on a periodic basis to test and improve emergency procedures and communication plans.

Property Risk Assessment: Through our property loss prevention provider, risk modeling for all of our global manufacturing locations is completed. Third-party physical reviews of each manufacturing plant are conducted on a periodic risk-based schedule, and preparedness and prevention measures are implemented, as recommended by our property loss prevention provider. For example, in our Caribbean locations, the risk of

extreme weather events such as hurricanes is determined to be significant. Therefore, we have made substantial improvements to our roofing structures, window shutters, loading dock doors and outside equipment in order to prevent or reduce potential damage to our facilities. Our property loss prevention provider also provides Edwards with guidance on emergency action plans, in order to ensure robust procedures are in place to manage emergencies.

Through these targeted programs, which are ongoing and based upon continual improvement, Edwards assesses and takes action to mitigate risk from a variety of natural and manmade disaster scenarios including, but not limited to climate-related events. In accordance with TCFD recommendations, a summary of location specific risks and implemented controls is included in the table below.

Event	Edwards Location	Risk/Opportunity	Preparedness & Prevention Activities
Earthquake	Dominican Republic; Draper, UT; Irvine, CA; Puerto Rico	Structural damage, equipment damage, utility outage, loss of production, employee safety	Fire sprinkler bracing, automatic gas valve shutoff, seismic building design, equipment bracing, emergency generators, employee notification systems and plans, business recovery plans
Tropical Storm/ Hurricane	Dominican Republic; Puerto Rico	Structural damage, water damage, utility outage, loss of production, employee safety	Storm-resistant building and equipment design, emergency generators, cogeneration plant, storm monitoring, employee notification systems and plans, business recovery plans
Winter Storm	Draper, UT	Water damage, utility outage, loss of production, employee safety	Emergency generators, storm monitoring, employee notification systems and plans, business recovery plans
Flood	Costa Rica; Draper, UT; Puerto Rico	Water damage, loss of production, employee safety	Stormwater runoff design, emergency generators, employee notification systems and plans, business recovery plans
Drought/ Wildfire	Irvine, CA; Puerto Rico; Singapore	Water sanctions, structural damage, equipment damage, utility outage, loss of production, employee safety	Water conservation strategies, water reuse systems, fire-resistant building materials, fire monitoring, employee notification systems and plans, business recovery plans
Volcano	Costa Rica	Structural damage, equipment damage, utility outage, loss of production	Fire sprinkler bracing, automatic gas valve shutoff, seismic building design, equipment bracing, emergency generators, employee notification systems and plans, business recovery plans

As Edwards continues to assess and address climate-related risks, we also recognize opportunities which have emerged. Climate-related opportunities vary depending on the region and market. A summary of these opportunities is below.

Category	Climate-Related Opportunity	Potential Impact to Edwards
Resource Efficiency	<ul style="list-style-type: none"> Use of more efficient modes of transportation for employees Use of more efficient modes and strategies for distribution of products Transition to more efficient buildings, equipment and production activities Reduced water consumption 	Edwards is committed to embracing opportunities to better use resources wherever technologically and financially feasible. We have made measurable improvement in our investment in renewable energy, onsite cogeneration of electricity and heat, packaging reduction and treatment and reuse of wastewater. We have also implemented a construction strategy which focuses on low-environmental impact and LEED certification. The overall outcome of these efforts is reduced cost, increased employee satisfaction and enhanced reputation.
Energy Source	<ul style="list-style-type: none"> Use of lower-emission energy sources Onsite energy generation Implementation of new technologies 	Edwards embraces opportunities to improve the reliability of our energy and increase renewable energy use, as evidenced by our LEED certification, onsite solar energy systems, cogeneration and utility provider partnerships. Our newest manufacturing plants in Costa Rica and Ireland receive almost 100% of their electricity from renewable energy sources. The overall outcome of these efforts is reduced cost, increased employee satisfaction and enhanced reputation.
Products & Services	<ul style="list-style-type: none"> Use of more efficient modes and strategies for distribution of products 	Edwards' medical device products have low energy demand, and therefore little opportunity to reduce environmental impacts in this area. However, we have initiated new measures in our distribution strategy to provide our products to global customers through more efficient ocean and air delivery methods. The overall outcome of this effort is reduced cost.

Markets

- Participation in government incentive programs
- Access to new assets and locations

Edwards has arranged with local governments to help source and offset the installation cost of various renewable energy (solar) and water conservation systems. Our proven environmental record and demonstrated commitment to low environmental-impact construction has also resulted in financial benefits through various grants or tax subsidies. The overall outcome of these efforts is reduced cost, increased employee satisfaction and enhanced reputation.

Resilience

- Onsite energy generation
- Participation in renewable energy programs

Edwards is committed to increasing resilience through our ongoing efforts to improve energy efficiency and increase renewable energy, as evidenced by our LEED certification, onsite solar and cogeneration systems and incremental improvements in energy intensity year over year. Currently, we are also exploring opportunities to participate in “green” energy programs through our utility providers.

Waste

2016-2020 Target	2016-2019 Performance
➤ Achieve 20% reduction in hazardous waste disposal, normalized by annual revenue	! Target at risk • 3% reduction
➤ Achieve 20% reduction in non-hazardous waste disposal, normalized by annual revenue	! Target at risk • 5% reduction

Additional metrics including 5-year historical results are available in the Data Summary section of this Report.

Management Approach

GRI 103

The scope of Edwards' effluent and waste management program covers our areas of operational control and includes effluents and waste from our seven global manufacturing locations. While we ensure responsible waste management at all non-manufacturing regional offices, the vast majority of waste generated by Edwards occurs at our manufacturing locations and so the focus of our programs and reporting is in these areas of operation. The volumes of hazardous waste disposal from administrative and office buildings represents a very small portion of Edwards' total hazardous waste generation and are not considered material to our overall environmental footprint. However, each non-manufacturing site manages regulated waste, such as electronics, fluorescent lamps, and batteries, in accordance with local requirements and best management practices. Non-manufacturing sites also implement non-hazardous waste management and recycling programs as appropriate for their location and lease arrangement, if applicable.

Our approach towards managing effluents and waste is consistent with our overall EHS management approach of Plan-Do-Check-Act, continual improvement, governance and assignment of roles and responsibilities discussed earlier in the *Introduction: Management Approach* and *EHS Compliance* sections of this Report. Annually, each manufacturing plant assesses its effluent and waste-related aspects and impacts and incorporates appropriate waste reduction objectives into annual operating plans. At a companywide level, we continually assess our waste-related risks, which higher waste costs or taxes, long-term liabilities associated with hazardous waste disposal, potential for transportation-related incidents, impacts on local habitats and depletion of natural resources. We then assess opportunities to mitigate these risks and reduce our overall environmental impact. Specific to effluents and waste, we have opportunity to eliminate, substitute, reuse, recycle and treat hazardous and non-hazardous wastes.

Our waste program is focused on the monitoring and management of the following key aspects:

Wastewater Discharge Management: Water quality discharge requirements at each Edwards site are determined by local regulations and discharge limits. While we do not consolidate water discharge data at a companywide level, the Global EHS team ensures sites meet applicable limits for discharges through periodic audits. Parameters of concern include toxics, pH, metals, total organic compounds, particulate matter, oil and grease and other potential contaminants. We do not discharge to any open lakes, rivers, reservoirs or other fresh water sources. In most cases, discharges to the sanitary sewer are regulated through general or source-specific permits issued by the local water agency. Monitoring devices, automatic gate valves and alarm systems are also installed as needed to ensure compliance with local requirements and industry best practice. In 2018, our Haina, Dominican Republic location completed the



In 2019, our Dominican Republic manufacturing plant was awarded with a "National Cleaner Production Award" from the Ministry of Environment and National Resources for the community benefits resulting from installation of our wastewater treatment plant. The treatment plant has resulted in a 30% reduction in freshwater consumption, with the potential to free up approximately 17,700 cubic meters of water per year for the local community's use. This is equivalent to the amount of water consumed by 23,600 families annually. Our Dominican Republic EHS team is pictured accepted the award.

installation of a full capacity wastewater treatment plant in order to ensure effective treatment of our industrial and domestic wastewater. Their efforts resulted in recognition from the Dominican Republic Ministry of Environment and Natural Resources.

Hazardous Waste Management: Hazardous waste is managed in accordance with Edwards global EHS standards as well as local government requirements. This includes proper handling, labeling, storage, inspection and disposal. Hazardous waste disposal is documented on appropriate manifest or bill-of-lading forms. Our disposal and waste reduction methods include, in order of priority, elimination, reduction, recycling or reuse, waste-to-energy, incineration, treatment and landfill. In most cases, our plants are regulated by hazardous waste disposal permits and must report disposal weights to local or country authorities. For our reporting purposes, hazardous waste includes all “regulated” waste such as batteries, fluorescent lamps and biohazardous or medical waste. For reporting purposes, one-time construction and demolition wastes are not included in annual hazardous waste figures.

Non-Hazardous Waste Management: Non-hazardous waste includes all non-hazardous and non-regulated refuse generated from our manufacturing and office activities, as well as support areas like cafeterias. Our non-hazardous waste management methods, in order of priority, include reduction, reuse, recycling, incineration, treatment and landfill. For reporting purposes, one-time construction and demolition wastes are not included in annual non-hazardous waste figures.

Spill Prevention and Response: Spill Prevention and Response programs are implemented at all Edwards manufacturing locations with a focus on risk identification and engineering, administrative and work practice controls such as secondary containment, double-walled tanks, alarm and notification systems, preventive maintenance and inspections. Additionally, personnel at each site are trained on appropriate spill response and clean-up escalation levels. In many cases, our facilities contract with hazardous materials specialists for emergency clean-up services, in the event that a professional response is needed. Edwards reports all spills and releases in accordance with reporting thresholds designated by local or country government agencies. Edwards sites also escalate spill and release incidents to the Global EHS Team. At the Corporate level, Edwards tracks spills and releases that result in employee exposure, property damage or environmental risk.

Hazardous Materials Transportation: National and international standards establish requirements related to hazardous materials transportation and reporting of transportation incidents. Edwards holds all appropriate certifications and licenses for any hazardous materials shipment or transport that takes place. In many cases, Edwards contracts with hazardous materials transport firms to ensure compliance with applicable transportation regulations. All incidents related to transport of hazardous materials are reported to the Global EHS Team.

Surface and Stormwater Protection: Protection of surface and stormwaters is managed in accordance with Edwards global EHS standards as well as locally issued permits and government regulations. Edwards does not conduct industrial operations in outdoor, storm water-exposed areas. All three of our US facilities in California, Utah and Puerto Rico are covered under No Exposure Certificates (NECs) in accordance with the Environmental Protection Agency (EPA) Clean Water Act. In addition, structural and non-structural source control best management practices (BMPs) are employed at each of our facilities to prevent contamination of storm water.

Our waste targets are based upon an evaluation of past performance, risks and opportunities, as well as benchmarking against peer companies in the medical device industry. As Edwards continues to rapidly grow, we have chosen to set normalized waste targets based upon annual revenue.

For reporting purposes, Edwards compiles effluent and waste data for our global manufacturing plants through review of waste manifests and bills-of-lading, weigh tickets, service provider invoices, recycler reports, on-site logs, water permit records and/or monitoring device records. These documents are used to determine both waste quantities and methods for disposal. We do not include one-time construction and demolition wastes in our annual reporting figures. Based on records and estimation factors, we have adopted a 0.90 confidence level in reporting of our effluent and waste data.

Water Discharge

GRI 306-1, 306-5

In 2019, Edwards discharged approximately 543 cubic meters of domestic and industrial wastewater to publicly owned treatment works (POTW). Of this, 512 cubic meters of water were from our seven global manufacturing locations and 31 cubic meters of water were from our global non-manufacturing offices. This represents a 6% increase in year-over-year companywide water discharge, which is significantly less than our 17% growth in company revenue from 2018 to 2019.

Although most POTWs which receive our wastewater treat and then discharge to the environment, in Singapore, our POTW collects, processes and returns wastewater to consumers as *NEWater*. While all Edwards sites are subject to discharge limits for parameters such as temperature, pH, biological oxygen demand (BOD), chemical oxygen demand (COD), organics, inorganics, total suspended solids (TSS) and heavy metals, the discharge parameters for the Singapore operations are more stringent than in other countries because of *NEWater* recycling. The table below summarizes the primary discharge parameters and results at our global manufacturing locations:



The wastewater monitoring system at our Singapore manufacturing plant ensures water discharged from the site meets stringent Singapore *NEWater* plant receiving parameters.

Location	Discharge Parameter Summary
Costa Rica	No BOD limit. Trade-zone industrial park determines discharge parameters. No exceedances in 2019.
Dominican Republic	No BOD limit. Wastewater processed through onsite treatment plant before discharge. No exceedances in 2019.
Draper, UT	BOD limit of 300 mg/l. One metals exceedance reported in 2019. Refer to <i>EHS Compliance</i> section of this Report.
Ireland	No BOD limit. No exceedances in 2019.
Irvine	No BOD limit. Total organic carbon discharged from site is less than 0.50 mg/l. No exceedances reported in 2019.
Puerto Rico	No BOD limit. Total organic carbon discharged from site is less than 0.1 mg/l. No exceedances reported in 2019.
Singapore	BOD limit of 50 mg/l. Industrial discharges monitoring through electronic gate valve in sewer line. No exceedances reported in 2019.

At our Dominican Republic manufacturing plant, our wastewater treatment plant not only treats domestic and industry wastewater before discharge to the POTW, but also allows us to recycle and return 25% of the treated wastewater to our non-potable water sources for reuse, such as toilets and chillers, thereby reducing our total water discharge volume.

Edwards does not release industrial wastewater to surface or subsurface waters, such as through injection wells, direct discharges to lakes or streams or other dispersions.

Water discharge volumes at Edwards are nearly equivalent to water withdrawal volumes, except for landscaping water and some evaporation from facilities related chillers and associated equipment. For more detailed information on site-by-site water withdrawal (and subsequently discharge), refer to the *Water* section of this report.

Hazardous Waste

GRI 306-2

Edwards defines hazardous waste as any waste with properties that make it dangerous or capable of having a harmful effect on human health or the environment. Included in this definition are all wastes which have hazardous characteristics of ignitability, corrosivity, reactivity and toxicity as well as other regulated wastes such as biohazardous and medical waste (including medical plastics), electronic waste, fluorescent lamps and batteries. Other waste materials maybe also be listed as specific hazardous wastes, if required by country or local regulation.

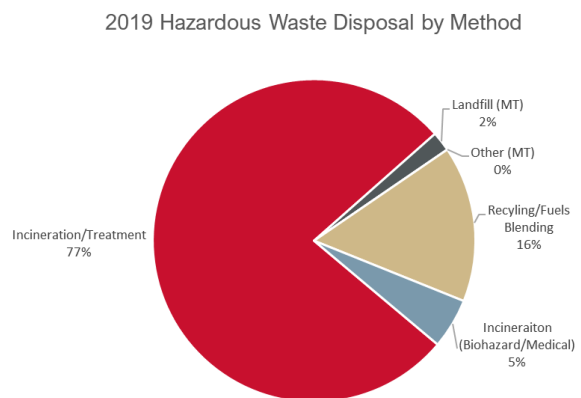
In 2019, Edwards disposed of approximately 1,329 metric tons of hazardous waste from our seven global manufacturing plants. This represents an increase of 31% over prior year, and an increase of 73% over our 2015 baseline year. Since 2015, Edwards has grown in size and revenue faster than we have increased our hazardous waste disposal. When normalized by annual revenue, Edwards has reduced hazardous waste disposal by 3% since 2015. Unfortunately, this result does not match our aggressive long-term target to reduce hazardous waste disposal by 20% when normalized by revenue.



The slower-than-expected reduction in hazardous waste is attributed to numerous manufacturing validation activities which began in 2018 and continue on in 2020 and are associated with the start-up of new manufacturing plants and process lines. Validation of our manufacturing processes is required in order to meet stringent FDA and global medical device quality assurance regulations and involves thorough testing of our equipment, procedures and chemicals in order to ensure efficacy. While validation activities represent growth and a bright future for our business, validation results in an increase in hazardous waste disposal with no resulting financial benefit until the products are brought to market. In 2019, we had major validation activities occurring at four of our seven global manufacturing plants. All of these plants—Singapore, Irvine, Costa Rica and Ireland—are part of our fast-growing Implant Valve Network. The largest relative increase in hazardous waste disposal was at our Costa Rica plant, where we saw an increase of 915% over the prior year as the plant began commercial production of our wet tissue valve line in 2019. In addition, we had a one-time, large disposal of discontinued surgical valve kit products in Irvine.

Our total cost for hazardous waste disposal in 2019 was \$1,468,000. Since 2015, our hazardous waste disposal cost decreased by \$47 per metric ton due to improvements in chemical handling, upgrades of on-site equipment and partnerships with our waste contractors. Another large component driving cost reduction is Edwards' ability to dispose of bulk production wastes used for beneficial reuse in fuels blending. The overall impact of our year-over-year hazardous waste intensity and cost reductions has been approximately \$800,000 in cost avoidance from 2016 to 2019.

We recycle approximately 16% of our hazardous waste, primarily through the energy recovery from high-BTU rated wastes, including manufacturing solvents. Approximately 82% of our hazardous waste is incinerated in order to reduce future liabilities and risks to the community. Less than 2% of our hazardous waste is not qualified for recycling, incineration or treatment and is disposed of in hazardous waste-authorized landfills.



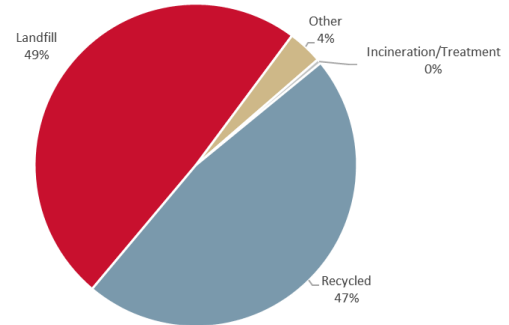
Non-Hazardous Waste

GRI 306-2

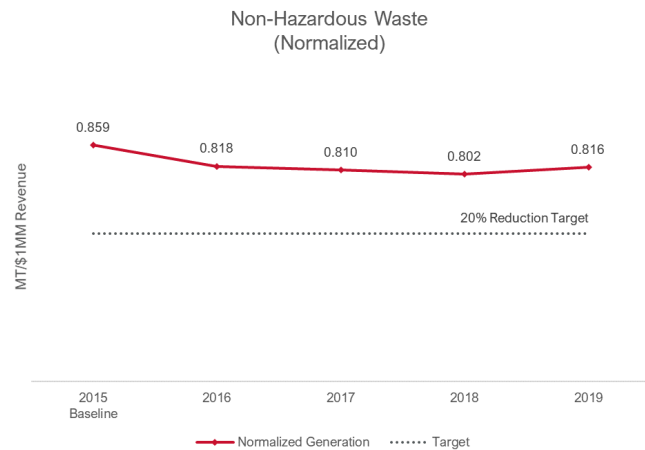
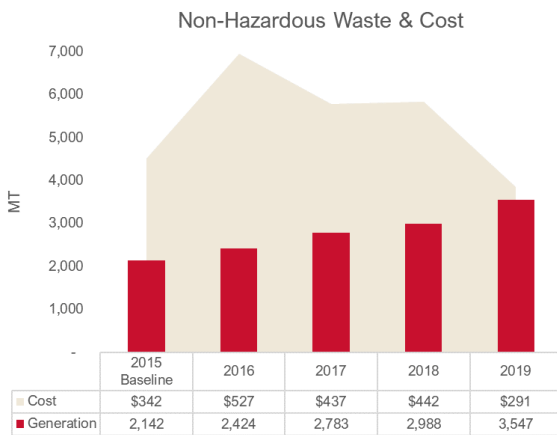
Edwards defines non-hazardous waste as any waste not managed as hazardous or regulated waste and includes non-hazardous waste which is both disposed and recycled. It primarily includes all wastes that are allowed to be disposed in local landfills, but also may include wastes that are otherwise required to be recycled by local governments.

In 2019, Edwards disposed of approximately 3,547 metric tons of nonhazardous waste from our seven global manufacturing locations. This figure includes all non-hazardous waste incinerated, treated, sent to landfill AND recycled. In previous years, our non-hazardous waste sent for recycling was separated out of our non-hazardous waste disposal totals. When compared to the same data from previous years, our non-hazardous waste disposal has increased by 19% since 2018 and 66% since our 2015 baseline year. However, since 2015, Edwards has grown in size and revenue faster than we have increased our non-hazardous waste disposal. When normalized by annual revenue, Edwards has reduced non-hazardous waste disposal by 5% since 2015. Unfortunately, this result does not match our aggressive long-term target to reduce non-hazardous waste disposal by 20% when normalized by revenue.

2019 Non-Hazardous Waste Disposal by Method



The slower-than-expected reduction in non-hazardous waste is attributed to numerous manufacturing validation activities which have been described previously, as well as an increase in packaging and product handling related wastes. In particular, we have seen a significant increase in our wood pallet and corrugate material waste streams. While both of these waste streams are sent for recycling, they account for approximately 30% of our non-hazardous waste and have seen increases of over 200% since our 2015 baseline year. In 2019, significant efforts began to reduce packaging waste from our high-volume commercial products. For more information on these efforts and the results, refer to the *Materials* section of this Report. We expect that in future years, we will start to see the impact of ongoing packaging waste reduction efforts.



Our total cost for non-hazardous waste disposal in 2019 was \$291,000. Since 2015, our hazardous waste disposal cost has decreased by \$78 per metric ton due to monies received from increased recycling, which offsets the total cost of non-hazardous waste disposal. The overall impact of our year-over-year non-hazardous waste intensity and cost reductions has been approximately \$280,000 in waste cost avoidance from 2016 to 2019.

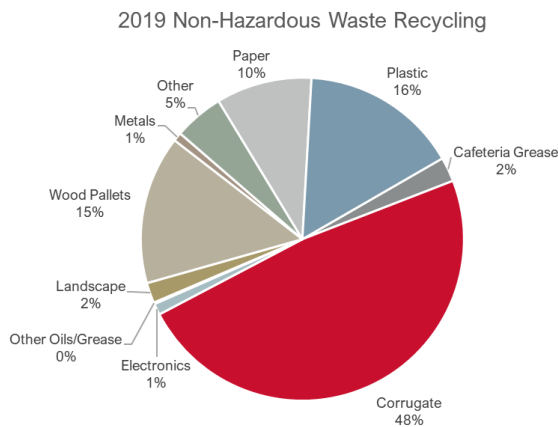
Recycling

Edwards recycles hazardous and non-hazardous waste streams whenever possible. While our primary focus is to reduce the overall quantities of waste generated, we understand the importance of ensuring waste is sent for recycling wherever possible. Examples of non-hazardous waste sent for recycling include paper, plastics, wood pallets, metal

scrap, consumer cans and bottles, cafeteria oils and grease, electronics, and landscaping waste. Examples of hazardous waste sent for recycling include manufacturing solvents, water diluted with biocides, medical plastics, fluorescent lamps and batteries.

We recycled 1,668 metric tons of non-hazardous waste and 208 metric tons of hazardous waste from our manufacturing locations in 2019. This represents 38% recycling rate for our total company waste, which is a 7% increase from 2018. For non-hazardous waste alone, our recycling rate is 47%, which is a 10% increase from 2018.

In 2019, Edwards received a total of \$36,252 in proceeds for recycling at our global manufacturing locations. While the cost of recycling varies greatly from country-to-country, Edwards makes every effort to promote recycling regardless of whether there is a financial benefit or a cost. Approximately half of our sites pay to recycle, while other half receive payment. As an example of this, in 2019, our Dominican Republic plant received \$51,714 in recycling proceeds, while the Costa Rica plant paid \$15,153 to send similar waste for recycling.



The waste station in our Costa Rica manufacturing plant cafeteria promotes waste sorting for recycling

Incidents and Adverse Impacts

GRI 306-3, 306-4

In 2019, Edwards had no significant spills or environmental releases above regulatory reporting thresholds at any of our locations worldwide nor did Edwards have any adverse incidents related to transportation of hazardous materials. Edwards had no water discharges to stormwater runoff which have had a material adverse impact on any water body or habitat.

Each of Edwards' manufacturing facilities has written emergency response procedures that address such risks as fires, chemical spills, unpermitted airborne releases and storm water discharges, security considerations, hurricanes, earthquakes and other related hazardous materials and environmental risks. Typically, local regulations also require specific emergency response and preparedness plans for businesses. Emergency response plans and preparedness activities are evaluated during EHS audits.

Edwards does not directly transport hazardous materials off of its owned and operated properties. Instead, Edwards contracts with different suppliers as appropriate for the shipment of hazardous materials, such as either hazardous waste contractors or third-party shipping companies. These service providers prepare hazardous materials for shipment and ensure the appropriate documentation is available for each transport for both domestic and international shipments.

Compliance

2016-2020 Target	2016-2019 Performance
➤ No serious or willful violations	🎯 Target achieved 0 serious or willful violations
➤ Achieve ISO 14001:2015 certification at all existing manufacturing plants by the end of 2018 and at new manufacturing plants within 3 years of start-up	🎯 Target achieved 100% existing plants certified; start-up locations are on plan
➤ Prepare for ISO 45001:2018 certification at all manufacturing plants (certification target planned for next 5-year cycle)	🎯 Target achieved 43% plants certified; remaining plants are on plan

Additional metrics including 5-year historical results are available in the Data Summary section of this Report.

Management Approach

GRI 103

At Edwards we recognize compliance to EHS laws and regulations is the minimum requirement for us to conduct business and operate our manufacturing facilities. Pursuant to our EHS Policy, *we will comply with all relevant government regulations, medical device industry standards and other requirements* to which we subscribe. This applies to all of our global manufacturing and non-manufacturing operations and includes all employees, as well as contractors and visitors present at our facilities. The risks of non-compliance include violations and fines, disruption of business, harm to people or the environment and damage to Edwards' reputation. Safe and compliant operations allow us the opportunity to establish stakeholder trust, enhance our working relationship with government agencies, protect people and the environment, ensure business continuity and provide a competitive advantage during tender and bidding processes.

We believe that EHS compliance can be achieved through robust EHS management systems, strong EHS governance and a culture of employee ownership and accountability. We believe the ownership of meeting requirements belongs in the hands of our employees and their supervisors who are directly managing our risks, opportunities, aspects and hazards. The function of our EHS professionals is to educate our employees, provide them with the tools to effectively do their jobs and to monitor their performance in the spirit of continual improvement.

Our compliance targets are based upon our commitment to provide a safe and healthy workplace, promote environmental excellence and comply with government regulations, as stated in our EHS Policy.

ISO 14001:2015 and ISO 45001:2018 Management Systems

Edwards has adopted the ISO management system principles of Plan-Do-Check-Act and continual improvement as the basis for our EHS management system. We believe that by identifying our environmental impacts and safety hazards, prioritizing our risks and opportunities, and implementing effective programs and controls we can consistently achieve EHS compliance, prevent injuries and reduce environmental impact. As part of the ISO framework, the effectiveness of our EHS programs is evaluated at regular intervals and plans and programs are adjusted as necessary. Performance is regularly reported to our management team.

In 2016, Edwards manufacturing plants were challenged to achieve ISO 14001:2015 Environmental Management System certification by the year 2018. We are pleased to report that all five of our existing manufacturing plants achieved certification on-time. As a bonus, our European Region also achieved ISO 14001:2015 certification for our non-manufacturing operations in Europe. New manufacturing plants



Our Singapore team celebrates their achievement of ISO 45001:2018 certification in 2019.

are expected to achieve ISO 14001:2015 certification within three years of start-up of operations. Our two newest manufacturing plants in Ireland and Costa Rica are on track to meet this goal.

Manufacturing plants are now working towards achieving ISO 45001:2018 Occupational Health & Safety Management System certification. In 2019, our Singapore plant achieved ISO 45001:2015 certification, joining our Dominican Republic and Puerto Rico plants who have already met this achievement. Our remaining manufacturing sites are planning ISO 45001:2018 certification by the end of 2023.

Recertification to the ISO standards occurs in three-year cycles and 3rd party surveillance audits are conducted in non-certification years. Copies of ISO certificates are included at the end of this Report.

Last Certification/ Recertification	Irvine, CA	Draper, UT	Dominican Republic	Puerto Rico	Costa Rica (2017 start-up)	Ireland (2021 start-up)	Singapore	Europe
ISO 14001:2015	2018	2017	2018	2018	Planned for 2020	Planned by 2023	2018	2018
ISO 45001:2018	Planned by 2023	Planned by 2023	2018	2018	Planned by 2023	Planned by 2023	2019	n/a

EHS Governance

Our EHS governance program consists of the following elements:

Government Inspections: Government agency inspections indicate if our global locations are meeting their compliance, permit and reporting obligations. Typically, our manufacturing locations are inspected for compliance requirements for air emissions, hazardous waste, medical waste, storm water, wastewater, safety standards, employee exposures, fire safety and overall chemical management. The outcome of each government inspection is reported to Global EHS and the business unit leadership team. Any violations or concerns are tracked through a corrective action process to ensure effective closure.

Third-Party Audits: Every three years, or as determined by risk, each manufacturing location is audited by a third-party EHS consulting firm to assess compliance to EHS regulations, corporate standards and overall management of significant risks, environmental aspects and safety hazards. Audit reports are provided to Global EHS, reported to management and monitored and tracked for effective closure of any findings or concerns. Edwards locations which are ISO 14001:2015 and/or ISO 45001:2018-certified also undergo recertification audits every three years by an independent, accredited certification body. Additionally, third-party property protection and emergency preparedness audits are conducted at regular intervals by our property insurance provider.

Global EHS Audits: Annually, or as determined by risk, each location is assessed by Global EHS for conformance to Edwards EHS standards and management of significant risks, environmental aspects and safety hazards. Reports are provided to management and monitored for effective closure of any findings or concerns.

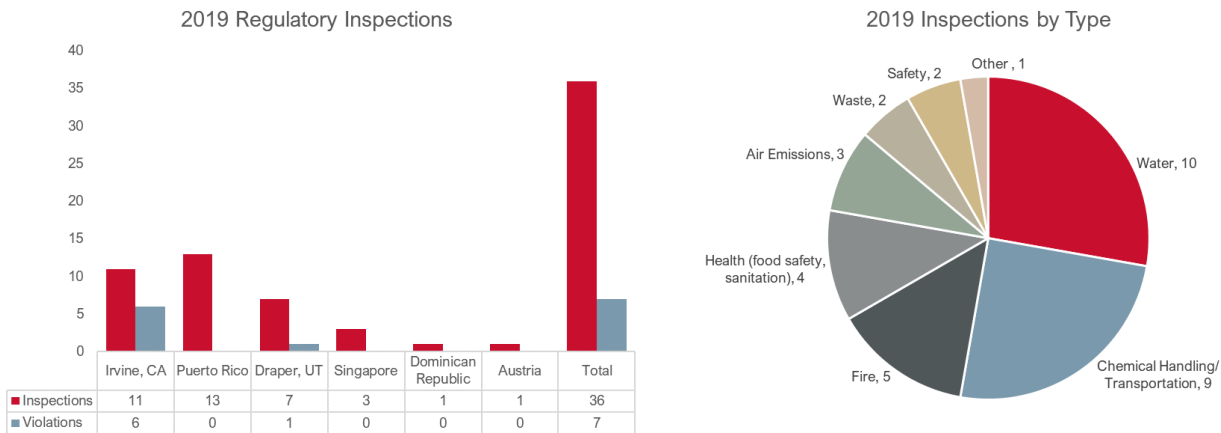
Internal EHS Inspections: Edwards manufacturing and non-manufacturing locations are responsible for conducting internal EHS self-inspections based on internal audit protocols applicable to the location and business unit.

EHS Due Diligence: Edwards implements a corporate due diligence process for evaluating EHS risks and opportunities for business acquisitions, divestitures and other property transactions. Such due diligence may include Phase I and Phase II Environmental Site Assessments, including asbestos, lead and chemical contamination surveys. In 2019, due diligence was completed for the acquisition of our CASMED business in Branford, Connecticut, for our headquarters expansion in Irvine, California and for various smaller office locations to accommodate Irvine growth.

2019 EHS Compliance

In 2019, Edwards had no serious or willful violations issued by any environmental, health or safety government agency. Globally, Edwards underwent 36 government agency inspections, which resulted in the following seven minor notices of violation:

- Irvine, CA (Fire) – Fire permits for warehouse had not been finalized post construction (administrative only), missing annual testing of fire doors in one area. All items corrected.
- Irvine, CA offsite Kettering Building (Fire) – Knox box for fire department not installed. Corrected.
- Irvine, CA (Storm Water) – Uncovered items stored outside, soapy water observed in a storm channel (prior to offsite release). All items corrected.
- Irvine, CA (Waste) – Waste container missing label, Medical Waste Management Plan requiring updates. All items corrected.
- Irvine, CA (Chemical Transportation) – Inaccurate shipping papers (administrative only), container closure instructions not available. Resulted in \$1,880 fine. All items corrected.
- Irvine, CA (Radiation – Cabinet X-Ray) – Operator training records not complete, maintenance & testing of equipment not complete, Radiation Protection Program requiring updates. All items corrected.
- Draper, UT (Wastewater) – Metals concentration in wastewater. All items corrected.



Voluntary Environmental Agreements

Since 1995, Edwards has partnered with the California Regional Water Quality Control Board (RWQCB) to address the remediation of contaminated groundwater at a former manufacturing location in Irvine, California. Remediation activities are aimed at cleaning up low levels of freon detected in the groundwater. The groundwater is not considered potable nor available for agricultural purposes and poses no threat to public health and safety. The groundwater was allegedly contaminated due to activities performed prior to Edwards Lifesciences becoming its own corporate entity in 2000. The extent of environmental or financial risk is not significant for reporting purposes.

Supplier EHS Assessment

Management Approach

GRI 103

At Edwards we recognize a strong partnership with our suppliers can add strength to our EHS commitments to maintain compliance, prevent injuries and reduce pollution. As such, we incorporate EHS considerations in both our supplier and contractor programs commensurate to the overall EHS impacts and risks their products and services may present while doing business with Edwards.

At Edwards, we include both Regulated Suppliers and Non-Regulated Suppliers in our global environment and safety programs.

- **Regulated Suppliers:** Our Regulated Suppliers are those companies who have more direct involvement and potential risk to Edwards business operations, security and reputation. These suppliers typically support our manufacturing and regulated business activities, such as supplying manufacturing components or having direct access to our information technology for financial, business operations or research & development activities.

Regulated Suppliers also include our direct suppliers who supply parts or materials for our manufacturing operations. They are responsible for helping Edwards meet requirements for material disclosure programs such as California Proposition 65, REACH, RoHS, Conflict Minerals, Environmental Packaging, Chemical Stewardship and Lifecycle Design. Direct suppliers serve our Global Supply Chain organization. Guided by our Edwards Aspiration to *Transform Patient Care Through Innovative Technologies*, Global Supply Chain monitors and assesses the product quality, safety, social and environmental performance of our suppliers. More information regarding our direct suppliers and supply chain performance is located on our 2019 Edwards Sustainability Report.

- **Non-Regulated Suppliers:** Non-Regulated Suppliers include suppliers and contractors who do not fall under the category of Regulated Supplier. This group is largely comprised of indirect suppliers that provide materials and services which are not directly incorporated into our medical device products, such as office equipment, computer equipment, janitorial, security, cafeteria services and various employee services and conveniences. Although some of our indirect suppliers provide only materials, many also provide onsite services to each of our locations. EHS performance of indirect suppliers providing onsite services is managed through the EHS program at each location, as these suppliers often have a direct impact on the EHS performance at the individual site level.

Supplier Code of Conduct

Edwards' Titanium Book of Global Business Practice Standards states our guiding business and ethical principles as they relate to the marketplace, our employees and our community. It is expected that, as an extension of our business, our suppliers meet the same standards to which Edwards holds itself. The *Titanium Book* covers topics such as, but not limited to, competition laws, bribery and corruption, trade compliance, product quality, anti-money laundering, sustainability, conflicts of interest and bidding, tenders and procurement. The *Titanium Book* is available in multiple languages to our suppliers, contractors and employees.

Any supplier, contractor, employee, member of the public or any person outside of the Edwards organization may also present a grievance related to EHS practices or ethics through our Edwards Speak-Up Program. More information on this Program can be found in the *Grievance Structure, Ethics and Integrity* section of this Report.

Supplier Screening

GRI 308-1

All Regulated and Non-Regulated suppliers are included in a Level 1 preliminary screening processes as part of our EHS and Sustainability supplier due diligence program. Suppliers are searched across a library of public database sources to identify any concerns or "flags" in the following areas:

Environment Health & Safety

Civil & Human Rights

Employee Health & Safety
Materials Labeling & Handling
Chemical Use
Emissions & Waste
Environmental Stewardship
Sustainability

Civil & Human Rights Violations
Child Labor
Forced Labor
Harassment, Abuse & Discrimination
Excessive Working Hours
Minimum Wage & Non-Payment

Modern Day Slavery & Human Trafficking
Diversity
Employee Rights
Fair Working Conditions
Unsafe Work Conditions

All Level 1 screening flags are reviewed by the Global EHS Team and other subject-matter experts and then the supplier is accepted or denied.

In addition, all Regulated Suppliers and high-spend Non-Regulated Suppliers must undergo an additional Level 2 evaluation which requires that they complete our EHS & Sustainability Due Diligence Questionnaire (DDQ). The DDQ requires that the supplier provide responses on the following topics:

<p>Environmental Considerations</p> <p>Environmental Policy & Practices Environmental Citations or Fines ISO 14001:2015 Certification Hazardous Materials (e.g. REACH, RoHS, TSCA)</p>	<p>Employee Health & Safety</p> <p>Health & Safety Policy & Practices Health & Safety Citations or Fines ISO 45001:2018 Certification Injuries, Illnesses & Fatalities</p>
<p>Public Disclosures</p> <p>Corporate Sustainability Reporting Global Reporting Initiative Reporting Standards CDP Reporting for Climate Change, Water, Supply Chain, Forests & Cities</p>	<p>Other Topics of Concern</p> <p>Equal Opportunity Employer Employee Turnover Rate Minority or Women-Owned Business Enterprise Modern Day Slavery & Human Trafficking Child Labor</p>

Based upon the DDQ responses, the supplier will be accepted or denied. There are four questions in the DDQ which are considered “drop out” criteria. These questions must be answered favorably in order for the supplier to be considered as an Edwards supplier partner. A negative response for these criteria will result in automatic “drop out.” These “drop out” minimum criteria are:

- **Environment.** The supplier must comply with all product related hazardous materials and trade regulations, such as WEE, RoHS, REACH, TSCA, BPA, DEHP, ODS and others.
- **Employment & Safety.** The supplier must comply with all employment laws and regulations and industry employment practices as applicable to the countries in which they operate.
- **Human Rights.** The supplier must comply with United Kingdom Modern Day Slavery regulations, United States Human Trafficking regulations and California (USA) Transparency in Supply Chains Act.
- **Child Labor.** The supplier must not employ children under 16 years of age in job tasks which may have higher safety and health risks than adults

Any other DDQ responses which are answered unfavorably will be evaluated on an individual basis with consideration for overall company reputation and risk.

Supplier Screening Results & Supply Chain Impacts

Our supplier screening program was launched in 2018. At the program onset, 26,631 existing suppliers were passed through our Level 1 screening. Since then, an additional 5,762 new suppliers have undergone Level 1 screening and 232 Direct Suppliers or high-spend Indirect Suppliers have completed our Level 2 DDQ evaluation. In 2019, only 1 supplier was rejected due to concerns related to significant actual or potential negative EHS impacts. No other negative EHS impacts have been identified in the supply chain.

Year	# New Suppliers	# New Suppliers Completing Level 1 Screening	# New Suppliers Completing Level 2 Evaluation	# New Suppliers Rejected for EHS Concerns
2018	2,787	2,787 (100%)	30 (1%)	0 (0%)
2019	2,975	2,975 (100%)	212 (8%)	1 (<1%)

Occupational Health and Safety

2016-2020 Target

- Beat medical device industry benchmark for recordable injuries and illnesses (RIR) by 25%, based on publicly reported industry injury rates

2016-2019 Performance

 **Target achieved**
58% below industry benchmark*

*Includes Edwards employees and temporary employees, based on OSHA incidence rate calculation of: (# incidents x 200,000)/hours worked; 2018 USA Bureau of Labor Statistics, NAICS 3391: Medical Equipment and Supplies Manufacturing

Additional metrics including 5-year historical results are available in the Data Summary section of this Report.

Management Approach

GRI 103, GRI 403-1

At Edwards we are committed to protecting the safety and well-being of our employees, onsite contractors, visitors and guests. Pursuant to our EHS Policy, *we will provide a safe and healthy workplace*. This principle, along with peer benchmarking, serves as the basis for our occupational health and safety target. A safe and healthy workplace prevents injury and illness, and in the process, builds employee trust and engagement, improves productivity and reduces insurance-related costs.

To achieve a safe and healthy workplace, we believe in establishing robust EHS management systems, implementing strong EHS governance and driving a culture of ownership and accountability. Additionally, we recognize that building capability within our Edwards EHS function is fundamental to the success of our EHS program. We continue to invest in the development of tools, systems and our EHS professionals to help us achieve our EHS objectives. Our commitment to preventing injury and illness and promoting well-being extends to both manufacturing and non-manufacturing operations and includes all employees, as well as contractors and visitors present at our facilities. Both internal and external stakeholders consider Occupational Health & Safety to be a material topic for Edwards.



Edwards Global EHS team members and Global Supply Chain leadership meet at our Draper, UT manufacturing plant for our 2019 EHS Conference.

Edwards' Occupational Health and Safety (OHS) Management System is based on the industry-recognized principles of ISO 45001:2018. Critical elements of our EHS Management System include:

- Establishing an Edwards EHS Policy rooted in our Credo and Aspirations
- Demonstrating leadership commitment to EHS
- Identifying significant risks, opportunities, environmental impacts and safety hazards
- Developing EHS objectives at both corporate and manufacturing plant-levels
- Establishing and implementing systems to maintain compliance, prevent injuries and reduce pollution
- Executing EHS programs, processes and operational controls
- Evaluating performance through internal and third-party audits and management reviews
- Identifying and executing continual improvement opportunities

As part of our EHS Management System, our EHS strategy and objectives are reviewed and adjusted annually. Performance against objectives tracked on a monthly basis at the manufacturing plant and regional levels. Specifically, for manufacturing, OHS objectives are incorporated into plant-level scorecards which include both injury rate targets and OHS leading indicator criteria.

Hazard Identification, Risk Assessment and Incident Investigation

GRI 403-2

Edwards adopts a risk-based approach to managing safety, consistent with ISO 14001:2018 principles. Manufacturing Plant EHS teams work with local supervisors and manufacturing associates to quantify risk associated with various job activities. Risk assessments may take the form of a sitewide safety risk register, job safety analyses (JSAs), process hazard analyses (PHAs), industrial hygiene risk assessments, ergonomic risk assessments or personal protective equipment (PPE) assessments. Where risks are found to be above predetermined acceptable threshold levels, additional measures are implemented to control the hazards and lower the risks. Edwards follows the Hierarchy of Controls when implementing safety hazard control measures.

Additionally, Edwards encourages employees to be proactive in identifying hazards in their work area. Employees are free to report any hazard or concern without fear of reprisal and some of our safety reporting programs allow for anonymous reporting. Edwards sites employ various methods to facilitate hazard identification, including safety suggestion boxes, Facilities Help Tickets, *Good Saves* programs and other near miss and safety concern reporting programs. Hazards may also be identified during facilities or product design review and during routine inspections or safety walks. Once hazards or concerns are reported, they are reviewed, routed to the appropriate personnel and tracked to resolution.

When EHS-related incidents occur, Edwards requires that a thorough investigation be completed to identify the root cause and ensure corrective actions are taken to remove the immediate hazards and prevent recurrence. Incident investigations are conducted by the responsible supervisor and manager with support from the local EHS team, and may include interviews, a walkthrough of the incident scene, review of documents and records and review of surveillance videotape or photos. At Edwards, we emphasize that the purpose of an incident investigation is to prevent recurrence, not to find fault nor assign blame. Corrective and preventive actions resulting from the incident investigation are tracked to closure.

Employee Participation, Consultation and Communication

GRI 403-4

Due to local cultures and differing regulations, each of Edwards' manufacturing locations employs a different strategy towards encouraging management-employee interface with regard to workplace health and safety.

For example, regulations at our Dominican Republic, Costa Rica and Singapore locations require us to establish safety committees comprised of both management and production employees, conduct periodic meetings, maintain minutes of discussions, conduct joint investigations of accidents and near misses and report their committee status to the local government safety authorities. In some cases, we must also notify the local health authorities of who is on our safety committees and provide access to our meeting agendas and action items.

In Irvine, California, we have identified approximately 50 key supervisors and they attend EHS trainings and discussions each month with the Irvine EHS team. These 50 supervisors, in turn, communicate with their own manufacturing and laboratory departments and discuss EHS topics with their own individual employees. Each supervisor is thus able to customize the safety topics and discussions to fit his or her individual department's risks and opportunities.



On August 16, 2019, more than 40 team members from our Puerto Rico manufacturing plant were recognized for their contributions to our EHS program. Attendees, which included safety committee members, enjoyed a warm breakfast and words of encouragement and thanks from the plant and Global Supply Chain leadership.

In Puerto Rico, our safety committee is typically 63% employees and 37% management. The committee holds weekly safety meetings. The agenda is well structured, published and always starts with a *Safety Minute* covered by a volunteer sharing a safety event from their personal life. Many times, the personal safety experience relates back to the working environment. The Puerto Rican team also shares safety minutes at All-Employee meetings hosted by our General Manager and other members of the leadership team.

As part of our culture of ownership and accountability, we expect our Plant Leadership to own worker participation and consultation programs at the plant-level. We typically do not track information about specific worker-management representation and topics of discussion at our manufacturing sites at the Global EHS level. However, Global EHS receives reports on and monitors high risks or opportunities, such as those directly related to employee injuries, accidents or significant near misses.

As each location is different in terms of culture and risk, we do not employ a single approach to soliciting feedback from our global employees. However, we apply common elements as appropriate:

- Site-level safety committees and management-employee open forums
- Employee anonymous suggestion programs; such as our corporate *Ask Mike* (our CEO) and equivalent plant level programs to anonymously ask our plant leaders questions
- Employee hazard or *Good Save* programs
- Edwards' anonymous *Speak-Up* and *Integrity Hotline* open to both internal employees and external stakeholders to report ethics or confidential concerns
- Process improvement and Kaizen activities
- Cross-functional team evaluation of equipment and product lines during design, purchasing and validation
- Utilization of contractors and consultants for professional and technical feedback on OHS programs and risks

Training and Awareness

GRI 403-5

Each of our global manufacturing locations provides EHS training in order to ensure compliance with EHS regulations and educate our employees on safe and environmentally responsible work practices and procedures. Our regional non-manufacturing locations also provide necessary EHS training commensurate to the risks and impacts of their administrative office functions, typically specific to accident prevention and emergency evacuation.

EHS topics covered in training include:

- **Edwards EHS Management Systems:** EHS Policy, objectives, incident reporting and investigation, communication in alignment with ISO14001:2015 and ISO 45001:2018 requirements
- **Safety and Health:** Chemical safety and hygiene, fall protection, powered industrial trucks, electrical safety, lockout-tagout, radiation safety, personal protective equipment, occupational noise, bloodborne pathogen exposure control, ergonomics in alignment with applicable requirements including those of USA OSHA, Puerto Rico OSHA, Singapore Ministry of Manpower, Ireland Health and Safety Authority, and other agencies.
- **Environmental Protection:** Air pollution, hazardous waste, storm water, industrial wastewater in alignment with USA Environmental Protection Agency, USA Department of Transportation, Puerto Rico Environmental Quality Board, Singapore National Environment Agency, Costa Rica Secretaría Técnica Nacional Ambiental, Dominican Republic Ministry of the Environment and Ireland Environmental Protection Agency requirements
- **Emergency Preparedness:** Spill response, CPR/First Aid/AED in alignment with applicable local requirements



In June 2019, our Costa Rican team members achieved First Aid certification from the National Firefighters Academy of Costa Rica.

Training formats vary from instructor-led, web-based, read-and-review, and on-the-job training. The training method selected will vary depending upon topic and audience. The effectiveness of training may be evaluated through written quiz, practical examination or by worker observation. Training requirements vary by location and by individual, based upon local EHS legal requirements and employee job assignments. Training plans are structured by the EHS team who is most familiar with applicable safety and compliance requirements, and then assigned in our Learning Management System (LMS) by supervisors who are most familiar with their employees and their work tasks. Training completion is tracked in our LMS. All of global manufacturing locations are held accountable for meeting their regulatory and company required training obligations through our Corporate EHS and 3rd party auditing programs (see *EHS Compliance* section of this Report).

For EHS topics, like slip and fall awareness, which are not covered in formal training courses but might require general employee awareness, there are a variety of means to communicate these safety messages. Some of these means include safety communication boards and television screens, electronic newsletters, *Injury Flash Alerts* and team huddle safety talks.

Additionally, we recognize that the continual development of our global EHS professionals is fundamental to the success of our EHS program. Annually, EHS professionals set development plans as part the Edwards Talent Development Program. In addition to encouraging EHS professionals to pursue general business and technical degree and certificate programs, the team is encouraged to attend industry conferences, seminars and training classes. Currently 40% of Edwards global EHS professionals hold an ISO 14001:2015 Lead Auditor certificate and 18% hold an ISO 45001:2018 Lead Auditor certificate, creating a network of internal auditing resources within Edwards. In future years, our network of internal auditors will travel across our global sites and business units for cross-auditing purposes to benefit Edwards EHS program and further enrich the development of our EHS professionals.

Occupational Health Services and Promotion of Worker Health

GRI 403-3, GRI 403-6

We believe the well-being of our employees has a direct correlation with the success of our safety and environmental performance. Healthier employees tend to have fewer injuries and participate more openly in our EHS programs to help us identify risks and opportunities for improvement. In conjunction with traditional employee benefits of insurance, vacations, medical leave and other work policies, we also provide a variety of benefits focused on overall employee health and safety at work.

Each of our seven global manufacturing locations provide benefits associated with occupational health and safety commensurate to their worker population, culture and availability of such programs in their local communities. For example, while all of our locations provide access to off-site medical clinics, our larger locations also employ on-site nurses and medical professionals to assist in both work and nonwork-related injury and personal health needs. We also provide first aid facilities and well-care such as flu shots, mammograms, lactation rooms, weight loss clinics, yoga classes, stretching breaks and smoking cessation programs. At some of our



Edwards Six Pillars of Wellness



Employees in Irvine, California enjoy a game of pick-up basketball at our on-campus fitness facilities during their lunch break.

locations we provide on-site fitness centers, basketball courts, bicycle facilities and large fields for soccer and other outdoor activities.

Our global Human Resources team leads a health and wellness campaign based on *Six Pillars of Wellness*. The campaign is designed to enhance employee satisfaction, reduce injuries and illnesses and improve overall employee well-being and job satisfaction. More information on the Edwards wellness offerings can be found in our 2019 Edwards Sustainability Report.

Occupational health and employee wellness offerings at each of our manufacturing locations is summarized below:

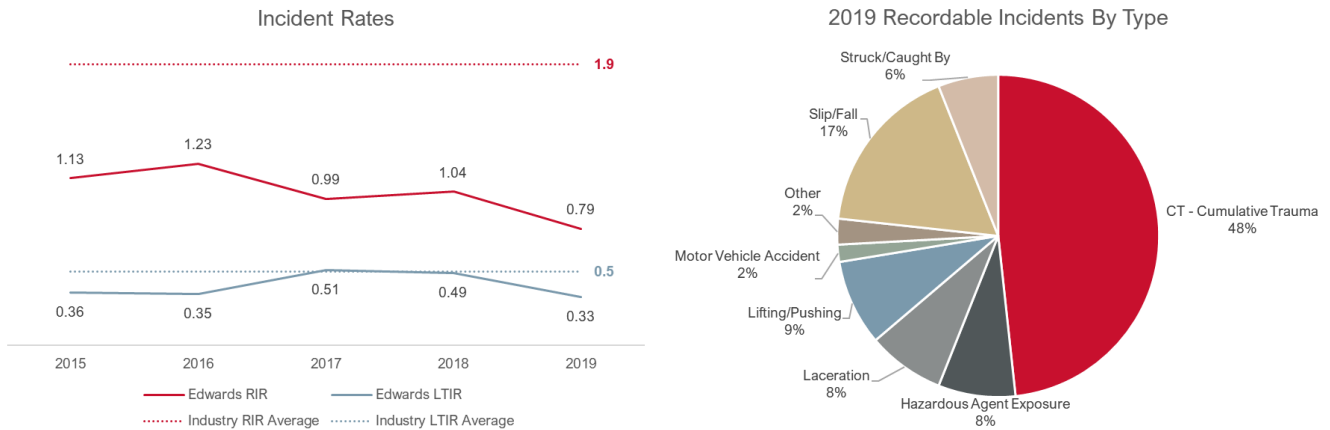
Location	Onsite Nurses and Clinic	Onsite Physician Visits	Offsite Medical Clinic	Fitness Center	Organized Sports & Fitness	Ergonomics & Stretching Programs	Healthy Lifestyle Programs
Costa Rica	✓	✓	✓	✓ <i>onsite</i>		✓	✓
Dominican Republic	✓	✓	✓		✓	✓	✓
Ireland	Planned for new Limerick manufacturing plant in 2021						
Irvine	✓		✓	✓ <i>onsite</i>	✓	✓	✓
Puerto Rico	✓	✓	✓		✓	✓	✓
Singapore		✓	✓	✓ <i>subsidy</i>	✓	✓	✓
Utah	✓		✓	✓ <i>onsite</i>	✓	✓	✓

2019 Injury and Illness Data

GRI 403-8, GRI 403-9, GRI 403-10

Edwards has not experienced a work-related fatality of an employee, temporary employee or on-site contractor since we began operating as an independent company in 2000. We are exceeding our 2020 target to beat our medical industry recordable incident rate (RIR) benchmark by 25%.

From 2018 to 2019, our global RIR decreased by 24% and our global lost time incident rate (LTIR) decreased by 33% due to focused efforts related to our Ergonomics Program. Around 50% of our recordable incidents involve cumulative trauma illnesses related to our manual sewing and assembly processes. Edwards continues to strive towards best-in-industry safety performance, which we have benchmarked to be around 0.6 for RIR and 0.25 for LTIR.



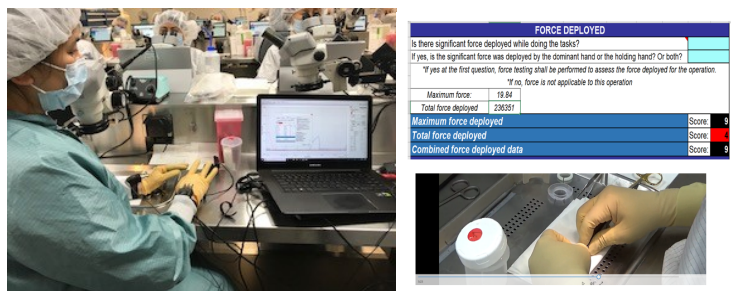
Edwards defines a *recordable injury* as any work-related injury requiring treatment beyond first aid, as defined in the US OSHA recordkeeping standard 29 CFR 1904. For corporate reporting purposes, this definition is applied globally at all Edwards locations, regardless of local agency reporting guidelines.

Edwards defines a *lost-time case* as any work-related injury that results in a full day or more away from work, in accordance with the US OSHA recordkeeping standard 29 CFR 1904.

Ergonomics Program

GRI 403-7, GRI 403-9

Cumulative trauma illnesses represent approximately 50% of Edwards' work-related injuries and illnesses. The majority of our cumulative trauma illnesses come from our valve network manufacturing locations, where manual sewing of tissue valves introduces the ergonomic risk factors of repetition, force and sustained postures. As such, we are pursuing an aggressive strategy which aims to address ergonomic risks with appropriate prevention and control measures throughout the design and manufacturing process. In 2019, our focus was to define and implement this strategy at our Irvine manufacturing plant where our highest risks lie. In 2020 and beyond, we will continue efforts in Irvine and also begin to deploy standardized and proven practices throughout our global manufacturing plants.



Quantitative risk assessment, which includes ergonomic force testing, serves as a basis for identifying and addressing top ergonomic risks.

Our approach to ergonomics is in accordance with the Hierarchy of Controls and includes:

- Quantitative risk assessment through the use of detailed video and in-person analysis, ergonomic measurement equipment (e.g. force meters) and an Edwards-developed ergonomic risk assessment tool
- Elimination and substitution of high ergonomic risks through automation or redesign during New Product Introduction stage based on risk assessment scoring
- Ergonomic manufacturing tools, equipment and fixtures including tissue-holding templates and custom sewing needles
- Engineering improvements at the individual workstation level, including ergonomic worktables, chairs and microscopes
- Stretching and microbreak programs
- Employee ergonomics training and awareness campaigns
- Rotation programs organized by operation risk assessment score to ensure manufacturing lines and rotations are evenly balanced

- Early injury and illness identification and intervention programs which include individual ergonomic assessments
- Onsite occupational health staff dedicated to providing individual ergonomic support as needed

Edwards also closely monitors employees who have experienced an ergonomic illness to ensure they are provided the care and resources needed to return them back to health and work at full capacity.

Security

At Edwards we deploy robust security practices to ensure the safety of our employees, visitors, environment, facilities, patients and intellectual property. Security practices discussed in this report relate to the security of our employees and environment. Security considerations which do not directly impact our employee health or the environment, such as cyber security or intellectual property protection, are not within the scope of this Report but are discussed elsewhere in our 2019 Edwards Sustainability Report.

At each of our global manufacturing plants we implement security measures commensurate to the assessed risks to our employees and facilities. Although security is managed locally by each site, our overall security strategies and objectives are directed by our Irvine-based Corporate Services Security Team.

Security personnel are the first point of contact for guests and contractors arriving at our Edwards manufacturing plants. Security personnel not only screen individuals before entering our properties, but also help communicate our EHS and Security policies at the point of entry.

While security measures taken at each manufacturing plant are customized to local needs, the following controls are commonly deployed:

- Gated and fenced properties
- Professional contracted security services; 24/7 guards and security personnel
- Remotely accessed surveillance cameras
- Employee badge readers
- Contractor screening processes
- Escorted guests and visitors
- Alarm systems and notification devices with automatic notifications to local authorities
- Emergency response plans to address security and other concerns
- Participation in employee accident and injury events to ensure emergency responders have access to the injured persons as well as isolating nonessential persons from incident scenes
- Department of Homeland Security (USA) Hazardous Materials Security Plans, where applicable
- Training of contracted security personnel in Edwards applicable EHS procedures and protocols
- Protection of hazardous materials in locked cages and storage areas
- First responders for emergencies occurring after-hours
- Department of Transportation security plans for transport of hazardous materials at US locations

Based on our Corporate Sustainability materiality assessment EHS security was not determined to be a material topic by our internal and external stakeholders. Still, because security may have a direct impact on the safety of our employees and protection of the environment, we implement procedures and measures to manage potential security risks. We also incorporate security into our global Business Continuity and Risk Management strategies.

Community Engagement

GRI 413-1

At Edwards we respect and value human health and the environmental well-being of the communities in which we live and operate. We aspire to *demonstrate passionate engagement that strengthens our communities*. This is evident in the results of our materiality assessment, which indicate that Volunteerism and Giving as a highly material topic for Edwards. While our Global Corporate Giving strategy drives most of our philanthropy programs, many community EHS efforts are planned and executed at local levels by employee volunteer teams at our global sites with the support of local management. We take care to ensure that our EHS outreach efforts are meaningful, results-oriented and transparent with our neighbors and communities.

EHS community engagement events are selected by the site based upon the needs of the local community as well as the interests of our employees. These events often involve beach and park clean-ups, reforestation efforts, blood drives, cancer and heart disease awareness walks, and community EHS or emergency preparedness meetings. More information on our global philanthropic and community engagement efforts are reported in our 2019 Edwards Sustainability Report and on the Edwards Global Corporate Giving website.



On July 27, 2019, 112 Edwards employees from our Singapore manufacturing plant partnered with the World Health Organization (WHO) to remove over 50 kg of trash from their local beach.



In July 2019, Edwards employees from our Costa Rica manufacturing plant joined together at the Rio Loro community park to participate in environmental education, clean-up, painting and various maintenance projects to help improve the infrastructure and environmental conservation



On August 23, 2019, in honor of National Seed Day, our Edwards Dominican Republic manufacturing plant welcomed 46 local children to our facility for a tour and field trip to the Ministry of Environment's National Seed Bank. Accompanied by 20 Edwards volunteers, the children each received a book on planting trees and a small plant to take care of at home.



In October 2019, a team from our Nordic regional offices volunteered in a city clean-up event which resulted in the collection of around 20 bags of trash, which was then sorted by waste type to ensure responsible disposal.



On October 26, 2019, 105 Edwards volunteers from our Dominican Republic manufacturing plant participated in the Ministry of Environment's reforestation event. Volunteers helped plant over 3,000 button mangroves near the Caribbean town of Nigua, which is near our manufacturing plant and is home to hundreds of our employees.



In November 2019, employees from our European team participated in planting a community garden near our Prague office. Labeled "Tady je Edovo!" and "Ed's property!", the Edwards planter boxes contain mint, parsley, curly cabbage, and pansies for the local community to enjoy.



On March 16, 2019, over 1,150 of our Irvine headquarters employees and their family members participated in the American Heart Association's Orange County Heart Walk. Edwards employees successfully raised over \$40,000 USD to donate to the cause.



"Safe and Sound" is an annual employee and community event held each September at our Puerto Rico manufacturing plant. In September 2019, our employees partnered with local authorities, emergency responders and environmental agencies to help educate employees and the public on safety and environmental protection at work and at home.

Operations with Significant Negative Impacts on Local Communities

GRI 413-2

We are pleased to report that Edwards has no significant actual or potential negative environmental, health or safety impacts on or local communities. In addition, in 2019 there were no offsite spills or releases to ground, air or water. The environmental impacts of our operations meet regulatory requirements and industry best practices for pollution prevention. Our EHS impacts are reported in other relevant sections of this Report.

Data Summary

Energy Indicators

Edwards Global Data	2015	2016	2017	2018	2019	2019 Target
Energy Use – Direct (GJ)	98,910	109,017	193,040	227,974	243,086	-
Energy Use – Indirect (GJ)	250,465	283,459	281,662	280,496	310,016	-
Energy Use – Total Direct + Indirect (GJ)	349,374	392,476	474,702	508,470	553,103	608,720
Energy Intensity (GJ/\$1MM Revenue)	140	132	138	137	127	140
Energy Use – Outside the Organization (GJ)	197,155	460,447	607,298	661,707	688,791	-
Energy Use – Direct, Indirect & Outside the Organization (GJ)	546,529	852,923	1,081,999	1,170,177	1,241,894	-
Data Coverage - % All Edwards Sites Reported	80	95	95	100	100	-

2019 Detailed Data	Direct Energy Sources	Direct Energy Use (GJ)	Indirect Energy Use (GJ)	Renewable Energy Use (GJ)	Non-Renewable Energy Use (GJ)	Total Energy Use (GJ)
Manufacturing Sites						
Costa Rica	P	4,863	28,164	28,072	4,956	33,027
Dominican Republic	D, P	1,538	38,915	5,883	34,570	40,453
Draper, UT	NG, D, P, G	20,203	31,069	2,673	48,599	51,273
Ireland	NG	448	3,726	3,726	448	4,174
Irvine, CA	NG, D, P, G	73,961	105,653	42,261	137,353	179,614
Puerto Rico	D, P, G	119,018	11,280	677	129,621	130,298
Singapore	NG, D, P, G	6,329	60,983	474	66,839	67,312
Manufacturing Total	NG, D, P, G	226,360	279,791	83,766	422,385	506,151
Non-Manufacturing Regions						
Australia	NG	451	815	118	1,148	1,266
Austria	NG	319	576	407	487	894
Belgium	NG	263	475	67	671	738
Brazil	NG	247	446	313	379	692
Canada	NG	204	369	238	335	573
China	NG	1,528	2,761	669	3,621	4,289
Columbia	NG	57	103	80	80	160
Czech Republic	NG	1,816	3,282	224	4,875	5,099
Denmark	NG	3	6	3	6	9
Finland	NG	3	6	2	7	9

France	NG	335	605	99	840	940
Germany	NG	593	1,072	291	1,374	1,665
Greece	NG	92	167	41	219	260
India	NG	607	1,096	157	1,546	1,703
Ireland	NG	32	57	16	73	89
Israel	NG	1,801	3,254	93	4,962	5,056
Italy	NG	267	483	145	605	750
Japan	NG	2,390	4,319	630	6,079	6,709
Korea	NG	656	1,185	35	1,806	1,841
Malaysia	NG	278	502	82	697	779
Mexico	NG	123	221	34	310	344
Netherlands	NG	194	351	44	501	545
Norway	NG	3	6	6	3	9
Poland	NG	149	270	29	390	419
Portugal	NG	58	104	38	124	162
Russia	NG	8	14	2	19	21
Singapore	NG	139	252	2	389	391
South Africa	NG	239	431	23	647	670
Spain	NG	397	718	222	893	1,116
Sweden	NG	117	211	109	219	327
Switzerland	NG	1,432	2,588	1,642	2,378	4,020
Thailand	NG	477	861	70	1,268	1,338
Turkey	NG	55	99	28	125	153
UAE	NG	72	131	74	128	203
United Kingdom	NG	206	372	81	497	578
USA	NG	1,117	2,018	320	2,815	3,135
Non-Manufacturing Total	NG	16,727	30,226	6,435	40,517	46,952
All Edwards						
Global Total	NG, D, P, G	243,086	310,016	90,201	462,902	553,103

NG = Natural gas, D = Diesel, P = Propane, G = Gasoline, E = Electricity

Water Indicators

Global Data	2015	2016	2017	2018	2019	2019 Target
Water Withdrawal – Third Party Public Utility (Municipal) (m ³)	342,629	420,921	450,961	437,016	471,825	-

Water Withdrawal – Third Party NEWater (Municipal) (m ³)	26,183	31,899	41,589	55,888	58,888	-
Water Withdrawal – Municipal Water Supplies (m ³)	368,812	452,820	492,550	492,904	530,713	-
Water Withdrawal – Groundwater (m ³)	14,077	5,193	18,961	13,456	12,211	-
Water Withdrawal – Surface Water (m ³)	500	1,528	1,600	800	0	-
Water Withdrawal – Total (m ³)	383,388	459,541	513,111	507,161	542,924	-
Water Recycled (m ³)	-	-	-	-	3,847	-
Water Use – Total (m ³)	383,388	459,541	513,111	507,161	546,770	569,588
Water Use – Total (m ³ /\$1MM Revenue)	154	155	149	136	126	131
Data Coverage - % All Edwards Sites Reported	95	95	95	95	95	-

2019 Detailed Data	Water Withdrawal - Third Party Public Utility (m ³)	Water Withdrawal - NEWater (m ³)	Water Withdrawal - Groundwater (m ³)	Water Withdrawal – Surface Water (m ³)	Water Withdrawal - Total (m ³)
Manufacturing Sites					
Costa Rica	38,494	0	0	0	38,494
Dominican Republic	49,941	0	0	0	49,941
Draper, UT	32,276	0	0	0	32,276
Ireland	689	0	0	0	689
Irvine, CA	204,661	0	0	0	204,661
Puerto Rico	35,816	0	12,211	0	48,027
Singapore	79,398	58,888	0	0	138,286
Manufacturing Total	441,275	58,888	12,211	0	512,374
Non-Manufacturing Regions					
Australia	819	0	0	0	819
Austria	325	0	0	0	325
Belgium	390	0	0	0	390
Brazil	1,092	0	0	0	1,092
Canada	715	0	0	0	715
China	2,873	0	0	0	2,873
Columbia	117	0	0	0	117
Czech Republic	2,886	0	0	0	2,886
Denmark	78	0	0	0	78
Finland	52	0	0	0	52
France	936	0	0	0	936
Germany	2,184	0	0	0	2,184
Greece	182	0	0	0	182

India	1,053	0	0	0	1,053
Ireland	78	0	0	0	78
Israel	2,418	0	0	0	2,418
Italy	741	0	0	0	741
Japan	5,590	0	0	0	5,590
Korea	546	0	0	0	546
Malaysia	442	0	0	0	442
Mexico	273	0	0	0	273
Netherlands	442	0	0	0	442
Norway	65	0	0	0	65
Poland	286	0	0	0	286
Portugal	78	0	0	0	78
Russia	39	0	0	0	39
Singapore	507	0	0	0	507
South Africa	182	0	0	0	182
Spain	1,196	0	0	0	1,196
Sweden	273	0	0	0	273
Switzerland	1,742	0	0	0	1,742
Thailand	546	0	0	0	546
Turkey	26	0	0	0	26
UAE	130	0	0	0	130
United Kingdom	780	0	0	0	780
USA	468	0	0	0	468
Non-Manufacturing Total	30,550	0	0	0	30,550
All Edwards					
Global Total	471,825	58,888	12,211	0	542,924

Emissions Indicators

Edwards Global Data	2015	2016	2017	2018	2019	2019 Target
GHG Emissions – Scope 1 (MT CO2e)	5,446	6,059	10,891	12,659	13,800	-
GHG Emissions – Scope 2, Location-Based (MT CO2e)	25,723	28,854	27,678	28,118	27,931	-
GHG Emissions – Scope 2, Market-Based (MT CO2e)	Not available				28,001	-
GHG Emissions – Scope 1 & 2, Location-Based (MT CO2e)	31,169	34,913	38,569	40,777	41,731	54,350
GHG Intensity – Scope 1 & 2 (MT CO2e/\$1MM Revenue)	12.5	11.8	11.2	11.0	9.6	12.5
GHG Emissions – Scope 3 (MT CO2e)	36,737	41,385	45,188	47,204	51,550	-

GHG Emissions – Scope 1, 2 & 3, Location-Based (MT CO2e)	67,906	76,298	83,757	87,981	93,280	-
NOx Emissions (kg)	57	73	5,600	8,328	9,344	-
SOx Emissions (kg)	51,535	63,975	76,651	90,613	99,265	-
PM Emissions (kg)	231	286	503	643	711	-
ROG/VOC Emissions (kg)	52,513	65,190	83,903	100,978	110,850	-
CO Emissions (kg)	86,865	107,848	127,286	149,911	164,157	-
EO Emissions (kg)	3,747	5,051	1,318	1,276	748	-
Data Coverage - % All Edwards Sites Reported	80	95	95	100	100	-

2019 Detailed Data	Scope 1 GHG (MT CO2e)	Scope 2 GHG, Location-Based (MT CO2e)	Scope 1 & 2 GHG, Location-Based (MT CO2e)
Manufacturing Sites			
Costa Rica	278	19	297
Dominican Republic	97	5,651	5,749
Draper, UT	1,104	2,519	3,622
Ireland	24	393	418
Irvine, CA	4,035	6,639	10,674
Puerto Rico	7,006	2,290	9,296
Singapore	345	6,718	7,063
Manufacturing Total	12,889	24,230	37,118
Non-Manufacturing Regions			
Australia	25	169	194
Austria	17	26	43
Belgium	14	23	37
Brazil	13	14	28
Canada	11	15	26
China	83	480	563
Columbia	3	4	7
Czech Republic	99	458	557
Denmark	0	0	0
Finland	0	0	0
France	18	12	30
Germany	32	125	157
Greece	5	25	30
India	33	220	253
Ireland	2	6	8

Israel	98	504	602
Italy	15	44	58
Japan	130	629	759
Korea	36	178	213
Malaysia	15	91	106
Mexico	7	29	36
Netherlands	11	43	53
Norway	0	0	0
Poland	8	53	62
Portugal	3	10	14
Russia	0	1	2
Singapore	8	28	35
South Africa	13	108	121
Spain	22	58	79
Sweden	6	1	7
Switzerland	78	21	99
Thailand	26	114	140
Turkey	3	13	16
UAE	4	24	28
United Kingdom	11	26	38
USA	61	91	152
Non-Manufacturing Total	911	3,701	4,612
All Edwards			
Global Total	13,800	27,931	41,730

Scope 1 emissions factors: DEFRA 2019

Scope 2 emissions factors: EPA eGRID 2018, Puerto Rico GHG Report 2014, DEFRA 2019, IEA 2019, supplier/utility emissions factors

Scope 3 emissions factors: Transportation Energy Data Book (Edition 38), travel management partner emissions factors

Waste Indicators

Global Data	2015	2016	2017	2018	2019	2019 Target
Hazardous Waste – Recycling/Fuels Blending (MT)	283	302	309	154	208	-
Hazardous Waste – Incineration/Treatment (MT)	465	578	689	759	1,029	-
Hazardous Waste – Other (MT)	0	5	11	41	0	-
Hazardous Waste – Landfill (MT)	20	3	7	1	26	-
Biohazardous/Medical Waste – Incineration (MT)	21	18	20	58	67	-

Hazardous Waste – Total (MT)	788	906	1,036	1,013	1,329	1,100
Hazardous Waste – Total (MT/\$1MM Revenue)	0.316	0.306	0.302	0.272	0.306	.253
Non-Hazardous Waste – Recycling (MT)	874	925	1,034	1,091	1,668	-
Non-Hazardous Waste – Incineration (MT)	52	63	79	66	15	-
Non-Hazardous Waste – Other (MT)	10	1	19	22	123	-
Non-Hazardous Waste – Landfill (MT)	1,206	1,435	1,651	1,809	1,741	-
Non-Hazardous Waste – Total (MT)	2,142	2,424	2,783	2,988	3,547	2,987
Non-Hazardous Waste – Total (MT/\$1MM Revenue)	0.859	0.818	0.810	0.802	0.816	.687
All Waste – Total (MT)	2,930	3,330	3,819	4,000	4,876	-
Data Coverage - % All Edwards Sites Reported	100	100	100	100	100	-

2019 Detailed Data	Hazardous Waste (MT)	Non-Hazardous Waste (MT)	Total Waste (MT)	Non-Hazardous Waste Recycling (%)	Total Waste Recycling (%)
Manufacturing Sites					
Costa Rica	157	80	237	76	26
Dominican Republic	12	544	556	90	88
Draper, UT	68	523	591	55	48
Ireland	1	19	20	79	75
Irvine, CA	294	1,503	1,797	38	42
Puerto Rico	31	473	504	52	53
Singapore	766	405	1,171	2	1
Manufacturing Total	1,329	3,547	4,876	47	38

EHS Compliance Indicators

Global Data	2015	2016	2017	2018	2019	2019 Target
Government Inspections	38	31	29	29	36	-
Serious or willful violations	0	0	0	0	0	0
Minor violations	2	5	1	2	7	-
Offsite spills or releases	0	0	0	0	0	-
Stakeholder EHS grievances	0	0	0	0	0	-
Due diligence concerns related to M&A	0	0	0	0	0	-
Natural disaster or severe weather-related events	0	0	1	0	0	-
Penalties assessed (\$)	0	0	560	0	1,880	-
Data Coverage – % All Edwards Sites Reported	100	100	100	100	100	-

Occupational Health & Safety Indicators

Global Data	2015	2016	2017	2018	2019	2019 Target
Employee Fatalities	0	0	0	0	0	-
Contractor Fatalities	0	0	0	0	0	-
Recordable Incident Rate (RIR)*	1.13	1.23	0.99	1.04	0.79	1.4
Lost Time Incident Rate (LTIR)*	0.36	0.35	0.51	0.49	0.33	-
Occupational Illness Frequency Rate (Employee-only) – occupational illness cases per million hours worked**	3.84	3.52	2.67	3.26	2.06	-
Lost Time Injury Frequency Rate (Employee-only) – lost time cases per million hours worked**	1.65	1.39	2.01	2.49	1.62	-
Lost Time Injury Frequency Rate (Contract-only) – lost time cases per million hours worked***	5.11	6.76	11.80	2.02	1.78	-
Data Coverage - % All Edwards Sites Reported	100	100	100	100	100	-

*Includes Edwards employees and temporary employees, based on OSHA incidence rate calculation of: (# incidents x 200,000)/hours worked

**Includes 100% of employees (excluding contract labor), based on incidence rate calculation of: (# incidents x 1,000,000)/hours worked

***Includes 100% of contract-labor, which represents less than 10% of our workforce, based on incidence rate calculation of: (# incidents x 1,000,000)/hours worked

Certificates



VERIFICATION OPINION STATEMENT GREENHOUSE GAS EMISSIONS

Apex Companies LLC, (Apex) was engaged to conduct an independent verification of the greenhouse gas (GHG) emissions reported by Edwards Lifesciences (Edwards) for the period stated below. This Verification Statement applies to the related information included within the scope of work described below.

The determination of the GHG emissions is the sole responsibility of Edwards Lifesciences. Edwards Lifesciences is responsible for the preparation and fair presentation of the GHG statement in accordance with the criteria. Apex's sole responsibility was to provide independent verification on the accuracy of the GHG emissions reported, and on the underlying systems and processes used to collect, analyze and review the information. Apex is responsible for expressing an opinion on the GHG statement based on the verification. Verification activities applied in a limited level of assurance verification are less extensive in nature, timing and extent than in a reasonable level of assurance verification.

Boundaries of the reporting company GHG emissions covered by the verification:

- Operational Control
- Worldwide – seven manufacturing facilities and approximately 100 regional offices in over 40 countries
- Exclusions from the scope of the reporter's GHG emissions statement
 - Refrigerants

Types of GHGs: CO₂, N₂O, CH₄

GHG Emissions Statement:

- **Scope 1:** 13,800 metric tons of CO₂ equivalent
- **Scope 2 (Location-Based):** 27,900 metric tons of CO₂ equivalent
- **Scope 2 (Market-Based):** 28,000 metric tons of CO₂ equivalent

Data and information supporting the Scope 1 and Scope 2 GHG emissions statement were primarily historical in nature.

Period covered by GHG emissions verification:

- January 1, 2019 to December 31, 2019

Criteria against which verification conducted:

- World Resources Institute (WRI)/World Business Council for Sustainable Development (WBCSD) Greenhouse Gas (GHG) Protocol Corporate Accounting and Reporting Standard

Reference Standard:

- ISO 14064-3: Greenhouse gases -- Part 3: Specification with guidance for the validation and verification of greenhouse gas statements

Level of Assurance and Qualifications:

- Limited
- This verification used a materiality threshold of 5% for aggregate errors in sampled data for each of the above indicators



GHG Verification Methodology:

Evidence-gathering procedures included but were not limited to:

- Interviews with relevant personnel of Edwards Lifesciences;
- Review of documentary evidence produced by Edwards Lifesciences;
- Review of Edwards Lifesciences data and information systems and methodology for collection, aggregation, analysis and review of information used to determine GHG emissions; and
- Audit of sample of data used by Edwards Lifesciences to determine GHG emissions.

Verification Opinion:

Based on the process and procedures conducted, there is no evidence that the GHG emissions statement shown above:

- is not materially correct and is not a fair representation of the GHG emissions data and information; and
- has not been prepared in accordance with the WRI/WBCSD GHG Protocol Corporate Accounting and Reporting Standard.

It is our opinion that Edwards Lifesciences has established appropriate systems for the collection, aggregation and analysis of quantitative data for determination of these GHG emissions for the stated period and boundaries.

Statement of independence, impartiality and competence

Apex is an independent professional services company that specializes in Health, Safety, Social and Environmental management services including assurance with over 30 years history in providing these services.

No member of the verification team has a business relationship with Edwards Lifesciences, its Directors or Managers beyond that required of this assignment. We conducted this verification independently and to our knowledge there has been no conflict of interest.

Apex has implemented a Code of Ethics across the business to maintain high ethical standards among staff in their day-to-day business activities.

The verification team has extensive experience in conducting assurance over environmental, social, ethical and health and safety information, systems and processes, has over 20 years combined experience in this field and an excellent understanding of Apex's standard methodology for the verification of greenhouse gas emissions data.

Attestation:

Handwritten signature of John A. Rohde in blue ink.

John A. Rohde, Lead Verifier
Practice Lead
Apex Companies, LLC
Lakewood, Colorado

Handwritten signature of Christopher Ostermann in blue ink.

Christopher Ostermann, Technical Reviewer
Program Manager
Apex Companies, LLC
Atlanta, Georgia

May 12, 2020

This verification statement, including the opinion expressed herein, is provided to Edwards Lifesciences and is solely for the benefit of Edwards Lifesciences in accordance with the terms of our agreement. We consent to the release of this statement by you to CDP in order to satisfy the terms of CDP disclosure requirements but without accepting or assuming any responsibility or liability on our part to CDP or to any other party who may have access to this statement.



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that



Edwards

Edwards Lifesciences S.A.
Route de l'Etraz 70
1260 Nyon
Switzerland

including the sites and scope of application
see enclosure

has established and applies
an Environmental Management System.

An audit was performed, Report No. **707074551**.

Proof has been furnished that the requirements
according to

ISO 14001:2015

are fulfilled.

The certificate is valid from **2018-04-10** until **2021-04-09**.

Certificate Registration No.: **12 104 47536 TMS**.

Product Compliance Management
Munich, 2018-04-11



Page 1 of 3

CERTIFICAT

CERTIFICADO

СЕРТИФИКАТ

認證證書

CERTIFICATE

ZERTIFIKAT

05/2019



Management Service

Enclosure of Certificate Registration No.: 12 104 47536 TMS

Sites	Scope of application
Edwards Lifesciences S.A. Route de l'Etraz 70 1260 Nyon Switzerland	Central function for the management system.
Edwards Lifesciences S.L. Parque Tecnológico de Valencia, Ronda Narciso Monturiol 11, Bloque A 46980 Paterna Spain	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and repair for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences Czech Republic s.r.o. Karolinská 661/4 186 00 Prague 8 Czech Republic	Import, Distribution and sales of vascular and cardiovascular devices. Import, distribution, sales and technical training, repair and sales of spare parts for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences Services GmbH Edisonstraße 6 85716 Unterschleißheim Germany	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and technical training, repair and sales of spare parts for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences UK Ltd. 3 The Sector Newbury Business Park, Berkshire RG14 2PZ United Kingdom	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and repair for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences SAS Immeuble Gershwin 1 Rue Arnold Schoenberg 78280 Guyancourt France	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and technical training, repair and sales of spare parts for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences BV Verlengde Poolseweg 16 4818 CL Breda Netherlands	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and technical training, repair and sales of spare parts for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences Bvba Pontbeekstraat 4 - 3rd floor 1702 Dilbeek Belgium	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and repair for monitoring systems for metabolic and cardiovascular parameters.



Product Compliance Management
Munich, 2018-04-11





Management Service

Enclosure of Certificate Registration No.: 12 104 47536 TMS

Sites	Scope of application
Edwards Lifesciences (Portugal) Lda Rua das Lagoas Pequenas Edificio 5A - 5° Piso 2744-017 Porto Salvo Portugal	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and repair for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences AG Branch Karolinská 661/4 186 00 Prague Czech Republic	Import, Distribution and sales of vascular and cardiovascular devices. Import, distribution, sales and technical training, repair and sales of spare parts for monitoring systems for metabolic and cardiovascular parameters.

CERTIFICAT



CERTIFICADO



СЕРТИФИКАТ



認證證書



CERTIFICATE



CERTIFIKAT

Product Compliance Management
Munich, 2018-04-11





Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that



Edwards

Edwards Lifesciences Bvba
Pontbeekstraat 4 - 3rd floor
1702 Dilbeek
Belgium

has established and applies
an Environmental Management System for

**Distribution and sales of
vascular and cardiovascular devices.
Distribution, sales and repair for monitoring systems
for metabolic and cardiovascular parameters.**

An audit was performed, Report No. **707074551**.

Proof has been furnished that the requirements
according to

ISO 14001:2015

are fulfilled.

The certificate is valid in conjunction
with the main certificate from **2018-04-10** until **2021-04-09**.

Certificate Registration No.: **12 104 47536/08 TMS**.

Product Compliance Management
Munich, 2018-04-11



CERTIFICAT



CERTIFICADO



СЕРТИФИКАТ



認證證書



CERTIFICATE



ZERTIFIKAT



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that



Edwards

Edwards Lifesciences AG Branch
Karolinská 661/4
186 00 Prague
Czech Republic

has established and applies
an Environmental Management System for

**Import, Distribution and sales of
vascular and cardiovascular devices.
Import, distribution, sales and technical training,
repair and sales of spare parts for monitoring systems
for metabolic and cardiovascular parameters.**

An audit was performed, Report No. **707074551**.

Proof has been furnished that the requirements
according to

ISO 14001:2015

are fulfilled.

The certificate is valid in conjunction
with the main certificate from **2018-04-10** until **2021-04-09**.

Certificate Registration No.: **12 104 47536/10 TMS**.

Product Compliance Management
Munich, 2018-04-11



CERTIFICAT



CERTIFICADO



СЕРТИФИКАТ



認證證書



CERTIFICATE



ZERTIFIKAT



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that



Edwards

Edwards Lifesciences S.L.

Parque Tecnológico de Valencia,
Ronda Narciso Monturiol 11, Bloque A
46980 Paterna
Spain

has established and applies
an Environmental Management System for

**Distribution and sales of
vascular and cardiovascular devices.
Distribution, sales and repair for monitoring systems
for metabolic and cardiovascular parameters.**

An audit was performed, Report No. **707074551**.

Proof has been furnished that the requirements
according to

ISO 14001:2015

are fulfilled.

The certificate is valid in conjunction
with the main certificate from **2018-04-10** until **2021-04-09**.

Certificate Registration No.: **12 104 47536/02 TMS**.

Product Compliance Management
Munich, 2018-04-11



CERTIFICAT



CERTIFICADO



СЕРТИФИКАТ



認證證書



CERTIFICATE



CERTIFIKAT



Management Service

ZERTIFIKAT

Die Zertifizierungsstelle
der TÜV SÜD Management Service GmbH

bescheinigt, dass das Unternehmen



Edwards

Edwards Lifesciences Services GmbH
Edisonstraße 6
85716 Unterschleißheim
Deutschland

für den Geltungsbereich

**Distribution und Verkauf von
vaskulären und kardiovaskulären Produkten.
Distribution, Verkauf und technische Schulungen, Reparatur
und Verkauf von Ersatzteilen für Überwachungssysteme
für metabolische und kardiovaskuläre Parameter.**

ein Umweltmanagementsystem
eingeführt hat und anwendet.

Durch ein Audit, Bericht-Nr. **707074551**,
wurde der Nachweis erbracht, dass die Forderungen der

ISO 14001:2015

erfüllt sind.

Dieses Zertifikat ist gültig in Verbindung
mit dem Hauptzertifikat vom **10.04.2018** bis **09.04.2021**.

Zertifikat-Registrier-Nr.: **12 104 47536/04 TMS**.

Product Compliance Management
München, 11.04.2018



CERTIFICAT

CERTIFICADO

СЕРТИФИКАТ

認證證書

CERTIFICATE

ZERTIFIKAT

05/2019



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that



Edwards

Edwards Lifesciences BV
Verlengde Poolseweg 16
4818 CL Breda
Netherlands

has established and applies
an Environmental Management System for

**Distribution and sales of
vascular and cardiovascular devices.
Distribution, sales and technical training, repair and
sales of spare parts for monitoring systems for
metabolic and cardiovascular parameters.**

An audit was performed, Report No. **707074551**.

Proof has been furnished that the requirements
according to

ISO 14001:2015

are fulfilled.

The certificate is valid in conjunction
with the main certificate from **2018-04-10** until **2021-04-09**.

Certificate Registration No.: **12 104 47536/07 TMS**.

Product Compliance Management
Munich, 2018-04-11



CERTIFICAT

CERTIFICADO

СЕРТИФИКАТ

認證證書

CERTIFICATE

CERTIFIKAT



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that



Edwards

Edwards Lifesciences S.A.
Route de l'Etraz 70
1260 Nyon
Switzerland

including the sites and scope of application
see enclosure

has established and applies
an Environmental Management System.

An audit was performed, Report No. **707074551**.

Proof has been furnished that the requirements
according to

ISO 14001:2015

are fulfilled.

The certificate is valid from **2018-04-10** until **2021-04-09**.

Certificate Registration No.: **12 104 47536 TMS**.

Product Compliance Management
Munich, 2018-04-11



Page 1 of 3

CERTIFICAT



CERTIFICADO



СЕРТИФИКАТ



認證證書



CERTIFICATE



ZERTIFIKAT

05/2019



Management Service

Enclosure of Certificate Registration No.: 12 104 47536 TMS

Sites	Scope of application
Edwards Lifesciences S.A. Route de l'Etraz 70 1260 Nyon Switzerland	Central function for the management system.
Edwards Lifesciences S.L. Parque Tecnológico de Valencia, Ronda Narciso Monturiol 11, Bloque A 46980 Paterna Spain	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and repair for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences Czech Republic s.r.o. Karolinská 661/4 186 00 Prague 8 Czech Republic	Import, Distribution and sales of vascular and cardiovascular devices. Import, distribution, sales and technical training, repair and sales of spare parts for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences Services GmbH Edisonstraße 6 85716 Unterschleißheim Germany	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and technical training, repair and sales of spare parts for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences UK Ltd. 3 The Sector Newbury Business Park, Berkshire RG14 2PZ United Kingdom	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and repair for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences SAS Immeuble Gershwin 1 Rue Arnold Schoenberg 78280 Guyancourt France	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and technical training, repair and sales of spare parts for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences BV Verlengde Poolseweg 16 4818 CL Breda Netherlands	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and technical training, repair and sales of spare parts for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences Bvba Pontbeekstraat 4 - 3rd floor 1702 Dilbeek Belgium	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and repair for monitoring systems for metabolic and cardiovascular parameters.



Product Compliance Management
Munich, 2018-04-11





Management Service

Enclosure of Certificate Registration No.: 12 104 47536 TMS

Sites	Scope of application
Edwards Lifesciences (Portugal) Lda Rua das Lagoas Pequenas Edificio 5A - 5° Piso 2744-017 Porto Salvo Portugal	Distribution and sales of vascular and cardiovascular devices. Distribution, sales and repair for monitoring systems for metabolic and cardiovascular parameters.
Edwards Lifesciences AG Branch Karolinská 661/4 186 00 Prague Czech Republic	Import, Distribution and sales of vascular and cardiovascular devices. Import, distribution, sales and technical training, repair and sales of spare parts for monitoring systems for metabolic and cardiovascular parameters.

M. Wegner

Product Compliance Management
Munich, 2018-04-11





Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that



Edwards

Edwards Lifesciences (Portugal) Lda
Rua das Lagoas Pequenas Edificio 5A - 5° Piso
2744-017 Porto Salvo
Portugal

has established and applies
an Environmental Management System for

**Distribution and sales of
vascular and cardiovascular devices.
Distribution, sales and repair for monitoring systems
for metabolic and cardiovascular parameters.**

An audit was performed, Report No. **707074551**.

Proof has been furnished that the requirements
according to

ISO 14001:2015

are fulfilled.

The certificate is valid in conjunction
with the main certificate from **2018-04-10** until **2021-04-09**.

Certificate Registration No.: **12 104 47536/09 TMS**.

Product Compliance Management
Munich, 2018-04-11



CERTIFICATE ■ CERTIFICADO ■ CERTIFICAT ■ СЕРТИФИКАТ ■ 認證證書 ■ CERTIFICATE ■ CERTIFIKAT ■ CERTIFICAT



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that



Edwards

Edwards Lifesciences UK Ltd.

3 The Sector

Newbury Business Park, Berkshire RG14 2PZ

United Kingdom

has established and applies
an Environmental Management System for

**Distribution and sales of
vascular and cardiovascular devices.
Distribution, sales and repair for monitoring systems
for metabolic and cardiovascular parameters.**

An audit was performed, Report No. **707074551**.

Proof has been furnished that the requirements
according to

ISO 14001:2015

are fulfilled.

The certificate is valid in conjunction
with the main certificate from **2018-04-10** until **2021-04-09**.

Certificate Registration No.: **12 104 47536/05 TMS**.

Product Compliance Management
Munich, 2018-04-11



CERTIFICAT

CERTIFICADO

СЕРТИФИКАТ

認證證書

CERTIFICATE

CERTIFIKAT

CERTIFIES THAT THE
ENVIRONMENTAL MANAGEMENT SYSTEM
ESTABLISHED AT

EDWARDS LIFESCIENCIES

P.O. Box 1577 Añasco, PR 00610-1577

Complies with:

ISO 14001:2015

The scope of certification includes:

Manufacturing not elsewhere classified (IAF Code 23)
Manufacturing of Cardiovascular Catheters

CERTIFICATION DATE:	2018-09-01
REGISTRATION No.:	20180109-01
EXPIRATION DATE:	2021-02-12
ACREDITATION No.:	AMSCB-0914-002-16



For the Certification Board

Celso Alvarado
PRESIDENT

CERTIFIES THAT THE
OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM
ESTABLISHED AT

EDWARDS LIFESCIENCIES

P.O. Box 1577 Añasco, PR 00610-1577

Complies with:

ISO 45001:2018

The scope of certification includes:
Manufacturing not elsewhere classified (IAF Code 23)
Manufacturing of Cardiovascular Catheters

CERTIFICATION DATE:	2018-09-01
REGISTRATION No.:	20180109-02
EXPIRATION DATE:	2021-02-12
ACREDITATION No.:	AMSCB-0914-002-16



For the Certification Board

**Celso Alvarado
PRESIDENT**

ISO 14001



Certifies that the Environmental Management System established at

Edwards Lifesciences, LLC.

12050 Lone Peak Parkway, Draper, UT 84020, USA.

complies with:

ISO 14001:2015

and is hereby registered under the following scope:

Medical Devices, IAF Code # 40

The scope of certification includes: manufacturing, product testing and shipping of medical devices for heart valve repair.

CERTIFICATION DATE : 30/10/2017
 REGISTRATION No. : R1701030 -01
 EXPIRATION DATE : 29/10/2020
 ACCREDITATION No. : ATCP001-07



ISO /IEC 17021
Accredited
Certification Body

For the Certification Board:

THIS CERTIFICATE IS THE PROPERTY OF QSI AUDITING & CERTIFICATION SERVICES, LLC., ORLANDO, FLORIDA
 1802 N. ALAFAYA TRAIL, ORLANDO, FLORIDA, USA 32826
 CERTIFICATION IS VALIDATED PERIODICALLY VIA SURVEILLANCE AUDITS
 VISIT www.qsiamerica.com/accreditation.html FOR A LIST OF CURRENT ACCREDITATIONS
 CS 9.0.0.0.2 VERSION E

ISO
14001



Certifies that the Environmental Management System established at

Edwards Lifesciences

Parque Industrial Itabo, Carretera Sánchez Km 18.5
Haina, Republica Dominicana. P.O. Box 18H.

complies with:

ISO 14001:2015

and is hereby registered under the following scope:

Medical Devices, IAF Code # 40

The scope of certification includes: Manufacturing and assembly
of medical devices

CERTIFICATION DATE : 09/18/2018
REGISTRATION No. : R18091801-01
EXPIRATION DATE : 09/17/2021
ACCREDITATION No. : AMSCB-0914-002-16



For the Certification Board:

ISO / IEC 17021
Accredited
Certification Body

THIS CERTIFICATE IS THE PROPERTY OF QSI AUDITING & CERTIFICATION SERVICES, LLC., ORLANDO, FLORIDA
1802 N. ALAFAYA TRAIL, ORLANDO, FLORIDA, USA 32826

05/2019

CERTIFICATION IS VALIDATED PERIODICALLY VIA SURVEILLANCE AUDITS
VISIT www.qsiamerica.com/accreditation.html FOR A LIST OF CURRENT ACCREDITATIONS
CS 9.0.0.0.2 VERSION E

155

ISO
45001



Certifies that the Occupational Health and Safety Management System established at

Edwards Lifesciences

Parque Industrial Itabo, Carretera Sánchez Km 18.5
Haina, Republica Dominicana. P.O. Box 18H.

complies with:

ISO 45001:2018

and is hereby registered under the following scope:

Medical Devices, IAF Code # 40

The scope of certification includes: Manufacturing and assembly
of medical devices

CERTIFICATION DATE : 09/18/2018
REGISTRATION No. : R18091801-02
EXPIRATION DATE : 09/17/2021
ACCREDITATION No. : AMSCB-0914-002-16



ISO / IEC 17021
Accredited
Certification Body

For the Certification Board:

THIS CERTIFICATE IS THE PROPERTY OF QSI AUDITING & CERTIFICATION SERVICES, LLC., ORLANDO, FLORIDA
1802 N. ALAFAYA TRAIL, ORLANDO, FLORIDA, USA 32826

05/2019

CERTIFICATION IS VALIDATED PERIODICALLY VIA SURVEILLANCE AUDITS
VISIT www.qsiamerica.com/accreditation.html FOR A LIST OF CURRENT ACCREDITATIONS
CS 9.0.0.0.2 VERSION E

156

ISO
14001



Certifies that the Environmental Management System established at

Edwards Lifesciences, LLC.

One Edwards Way • Irvine, CA. USA • 92614

complies with:

ISO 14001:2015

and is hereby registered under the following scope:

Medical Devices, IAF Code # 40

The scope of certification includes: Manufacturing of mixed plastic medical devices and hand assembly of heart valve products, including supporting functions such as warehousing, laboratory and administrative activities.

CERTIFICATION DATE : 10/05/2018
REGISTRATION No. : R181005 -01
EXPIRATION DATE : 10/04/2021
ACCREDITATION No. : AMSCB-0914-002-16



For the Certification Board:

ISO / IEC 17021
Accredited
Certification Body

THIS CERTIFICATE IS THE PROPERTY OF QSI AUDITING & CERTIFICATION SERVICES, LLC., ORLANDO, FLORIDA
1802 N. ALAFAYA TRAIL, ORLANDO, FLORIDA, USA 32826
CERTIFICATION IS VALIDATED PERIODICALLY VIA SURVEILLANCE AUDITS
VISIT www.qsiamerica.com/accreditation.html FOR A LIST OF CURRENT ACCREDITATIONS
CS 9.0.0.0.2 VERSION E



PSB Singapore

CERTIFICATE

The Certification Body
of TÜV SÜD PSB Pte Ltd

certifies that

EDWARDS LIFESCIENCES (SINGAPORE) PTE. LTD
35 Changi North Crescent
Singapore 499641

has established and applies
an Occupational Health and Safety Management System for

Production of Biological Heart Valves and their subassemblies

Proof has been furnished that the requirements
according to

ISO 45001 : 2018

are fulfilled. The certificate is valid from **2019-10-04** to **2022-10-03**

Certificate Registration No. **OHS-45001-2019-0058**

Date of Print : **2019-10-07**



SIEW Kwai Heng, Tiffany
Certification Manager
Business Assurance Division
Management Systems



Page 1 of 1

Please refer to www.tuv-sud-psb.sg for current certificate status in the "Directory of Management System Certified Companies".