

# IMPROVING EFFICIENCY IN TESTING OPERATIONS

An Electro Rent Customer Solution

## Leading Chipmaker Unlocks \$8M in Value in 18 Months

### THE CHALLENGE

A leading U.S. semiconductor manufacturer faced numerous challenges tracking and managing their test and measurement assets. Lack of equipment visibility and availability led to redundant orders for unnecessary equipment. In one instance, a PO was approved for \$800,000 to purchase new equipment that was already owned and available in another lab—and still in the original packaging.

Engineers typically spent several days searching labs to find the test equipment they needed. This process was made even more challenging because each test required specific options and equipment to meet the requirements for the job. The lack of up-to-date information on equipment location and availability resulted in a significant reduction in test engineer productivity. Testing costs were also unknown because there was no reliable mechanism for documenting them. As such, the true cost of each project could not be determined.

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## ELECTRO RENT ACTIONS

Electro Rent conducted an in-depth audit of the client research and development labs to identify test and measurement equipment with low utilization rates. Electro Rent implemented a global asset optimization solution that allowed the chipmaker to assign test assets to specific projects.

The system showed the number of test assets currently available with their expected duration of use, providing visibility across the entire organization. As a result, project scheduling and the overall efficiency of the R&D operation vastly improved.

## RESULTS AND BENEFITS

With the new process, the company was able to sell their underutilized equipment, generating a \$2M credit to meet CAPEX shortfalls. For test engineers, search time for properly-optioned assets dropped from days to minutes, freeing up valuable time and allowing them to focus on core responsibilities.

The comprehensive, global nature of the database encouraged asset sharing and allowed the organization to meet all testing requirements with fewer assets. The system provided management and company leadership greater flexibility to monitor project costs against budgets, and to plan future projects with greater accuracy.

*With the new process, engineers spent less time searching for equipment, asset sharing increased, and future projects could be planned with greater accuracy.*

## WE'RE READY TO HELP

Our experts are available to assist with your asset optimization needs. Reach us by phone at **+44 20 84 200 200** or email **[aosolutions@microlease.com](mailto:aosolutions@microlease.com)**.