



# IT'S CALLED A WATER INTAKE— NOT A DEBRIS INTAKE

With Hydrolox™ technology in their plants' intakes, our nuclear partners report that their condensers stay cleaner for longer, improving their heat rate and production efficiency. It's often surprising to them—but never to us. Designed to withstand more extreme debris loads than anything on the market, our screens dramatically reduce carry-over and eliminate bypass, keeping everything downstream as clean as the energy our nuclear partners produce. [One of our fossil power partners](#) even saw a 50% decrease in condenser cleaning and downtime simply by replacing their old screening technology with Hydrolox screens.



## WELCOME TO THE NEXT GENERATION OF WATER SCREEN TECHNOLOGY



**90%+ lower maintenance costs**



**Improved safety**



**Reduced civil design and construction costs**



**Four-year warranty**



**Increased production time**

\*\*Warranty terms determined by specifics of screen, application, and installation

## CASE STUDY

### North American Nuclear Plant

One Hydrolox nuclear partner has surpassed 800,000 hours of screen runtime with zero unscheduled downtime. Thanks to cleaner condensers offering more efficient processing, their output has also increased 0.7% year over year (YOY).

**800,000+**  
PRODUCTION HOURS

**ZERO**  
UNSCHEDULED  
DOWNTIME

**0.7%**  
INCREASED  
OUTPUT YOY

## HOW WE DO IT

### The Hydrolox Design

Hydrolox screens were intended from their inception to operate in water 24/7/365 with little to no maintenance. To accomplish this, our innovative design features:

- **No side chains or submerged moving parts, eliminating most unscheduled maintenance and downtime**
- **Engineered polymer mesh, which doesn't corrode plus resists biofouling and ice adhesion**
- **A stainless-steel, chevron-patterned carryway that transfers the force of extreme debris loads away from the screen's center**
- **Modular assembly, allowing for fast, on-site maintenance and eliminating the need to replace the entire screen mesh**
- **Stainless-steel side seals that eliminate bypass and superior spray bars that virtually eliminate carry-over, protecting downstream equipment from debris and wildlife**
- **A compact design that's approximately 40% lighter than traditional solutions, improving worker safety**

[Contact us](#) to learn what this paradigm shift in water screen technology means for your operation.