



PowerPlay

The most efficient ERDs. High efficiency pumps.
Together in one exceptional desalination solution.

With Energy Recovery's PowerPlay, the best-in-class ERDs are seamlessly integrated with high efficiency pumping technology to create the industry's most efficient, end-to-end energy recovery solutions.

Available in multiple configurations, the PowerPlay raises the bar on SWRO plant performance. Constructed with state-of-the-art technology, each component of the PowerPlay is virtually maintenance free and backed with service from a single, trusted source.

Now available through capital sale as well as our recently introduced Prime Performance Energy Services Agreement (ESA).

The PX™ PowerPlay



PX Pressure Exchanger™



AquaBold™
High-Pressure Pump



VPXP™ Circulation
Booster Pump

The Turbo PowerPlay



AquaBold™
High-Pressure Pump



AT TurboCharger™

*The PowerPlay is available for both isobaric & centrifugal ERD applications.

What Makes PowerPlay BETTER

Energy Recovery's PowerPlay is the packaged solution of choice for OEMs and EPCs who want to streamline the complex process of moving a desalination plant from concept to operation.

1 Faster Deployment

Complete, end-to-end pumping solution from a single source.

2 Industry Leading Performance

Best-in-class ERDs paired with high efficiency pumps offered in a "turn-key" solution.

3 Longer Life

Highest quality materials, engineered for corrosion-resistance and operational flexibility.

4 Greater Uptime

24-hour customer support and experienced service engineers available worldwide.

5 Reduced Maintenance

The lowest life-cycle costs of any ERD solution available.

PowerPlay Components

PowerPlay was designed for OEMs and EPCs who want to streamline the complex process of moving a desalination plant from concept to operation.



PX Pressure Exchanger

- Unmatched efficiencies starting at 97.2%
- Highest uptime in the market (99.8%)
- Designed for 25+ years of useful life



AquaBold High Pressure Pump

- Little to no maintenance
- Longer bearing life and wear cycle
- Casted, duplex stainless steel for higher quality and uptime



AT Turbocharger

- Increased efficiency with 3D geometry impellers
- Volute insert technology for best efficiency range
- Lowest installation cost



High-Flow Vertical Circulation PX Pump

- Compact vertical inline design
- Designed for long life and low maintenance
- Highest efficiencies



Low-Flow Horizontal Circulation Pump

- Low energy consumption
- Superior construction and design
- Reliability of performance in high pressure operating environments

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Case Study

PROJECT

Laayoune Sea Water Reverse Osmosis Expansion

CLIENT

National Office for Water and Electricity – ONEE (formerly, Office National de l'Eau Potable, or ONEP)

LOCATION

Boujdour, Morocco

EPC/OEM

Wetico

OBJECTIVE OF THE POWERPLAY

To double the capacity of the Laayoune SWRO to 26,000 m³/day

In Morocco, a country that imports 95% of its energy, power costs are high and demand is growing. So when ONEE, Morocco's state-owned water company, chose to expand one of the nation's largest desalination plants, it sought an energy recovery solution that would deliver maximum efficiency and power savings.

Selected by engineers from Wetico, the PowerPlay included the new and improved AquaBold High-Pressure Pump and circulation pump, along with our PX Pressure Exchanger isobaric ERD. Together with Energy Recovery's Team 360 customer support, this end-to-end solution gave ONEE the peace-of-mind that comes from choosing the state-of-the-art technology and service from a single, trusted source.

