

Energy Recovery, Inc. Helps IDE Technologies Expand Desalination Plant in Hadera, Israel

Industry-leading energy recovery devices will help world's largest desalination plant significantly reduce energy consumption and lower overall operational costs

SAN LEANDRO, Calif.--(BUSINESS WIRE)-- [Energy Recovery, Inc.](http://www.energyrecovery.com/) (NASDAQ: ERII), a leader in the design and development of energy recovery devices for desalination, today announced that its PX Pressure Exchanger(TM) (PX(TM)) devices have been selected by [IDE Technologies](http://www.ide-technologies.com/) as it expands its seawater reverse osmosis (SWRO) desalination plant in Hadera, Israel. IDE selected ERI's PX technology as part of the initial plant design, and will rely on the devices to reduce energy consumption as the plant expands from a daily production capacity of 388,000 m³ (102.5 million gallons) to 462,000 m³ (122 million gallons) in total. Scheduled for total capacity commissioning by 2010, the Hadera plant will be the largest operating SWRO plant in the world and will help meet Israel's mounting demand for fresh water.

The inclusion of ERI's technology in the Hadera expansion--along with the Palmachim plant expansion --highlights the superior performance capabilities of isobaric energy recovery devices compared to early-generation technologies. To date, PX devices facilitate the cost-effective production of approximately 600,000 m³ (158 million gallons) of fresh water per day across Israel, establishing ERI's PX technology as the preferred choice when it comes to energy recovery devices for SWRO desalination in the region.

"We are very pleased that IDE has selected ERI's PX devices as part of the Hadera expansion. To do so even before the initial plant start-up gets underway is a testament to the technology's significant value proposition," said Borja Blanco, senior vice president of ERI. "This deal and our hundreds of other global installations validate ERI's PX isobaric energy recovery devices as the most effective technology to ensure that economics and energy consumption do not stand in the way of delivering affordable, fresh water to areas in desperate need."

ERI's PX devices operate at up to 98 percent efficiency and reduce the energy consumption of SWRO systems by up to 60 percent, making desalination a cost-effective solution for clean water supply. PX devices also reduce the carbon footprint of desalination, saving more than 700 MW of energy and reducing CO₂ emissions by more than 2.3 million tons per year worldwide. More than 6,700 PX devices are currently deployed or under contract to be installed at desalination plants across the globe. For more information about ERI's PX Pressure Exchanger technology, visit <http://www.energyrecovery.com/> or send an email to info@energyrecovery.com.

Energy Recovery, Inc. (NASDAQ:ERI) designs and develops energy recovery devices that help make desalination affordable by significantly reducing energy consumption. ERI's PX Pressure Exchanger(TM) (PX(TM)) device is a rotary positive displacement pump that recovers energy from the high pressure reject stream of seawater reverse osmosis systems at up to 98% efficiency. The company is headquartered in the San Francisco Bay Area with offices in key desalination centers worldwide, including Madrid, Shanghai, Florida and the United Arab Emirates. For more information on ERI and PX technology, please visit www.energyrecovery.com.

Source: Energy Recovery, Inc.