

Ocean Pacific Re-Powers SWRO Train down to 2 kWh/m³ Saving Client More Than 30% of Power Costs



Ventura, CA (October 28, 2014) – Ocean Pacific Technologies (OPT) has completed the retro-fit and commissioning of a 1,450 m³/day (383,000 gpd) SWRO train, saving the Caribbean based client more than 30% on power cost while achieving a short return on investment. See a video at <http://youtu.be/RiuWla0guh0>.

The graph shows the difference in efficiencies over a range of full scale train capacities, between centrifugal pumps and ERDs versus the orange line of the axial piston-pressure exchanger combination. **The efficiency advantage of the axial piston-pressure exchanger combination represents the largest single gain in desalination and pumping efficiency in 30 years.**

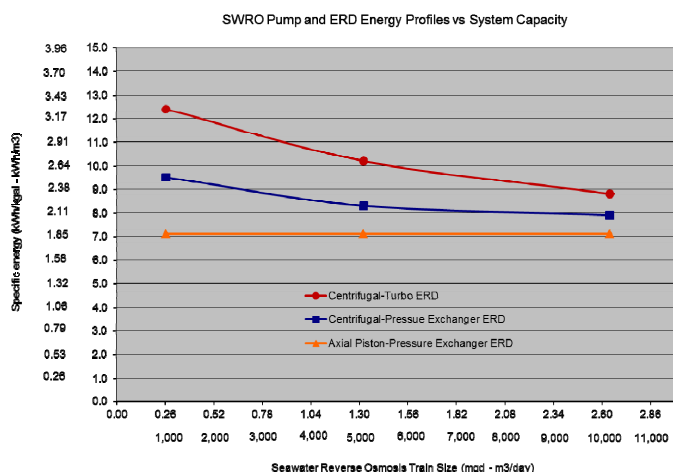


1450 m³/day Re-Powered SWRO Train

OPT's Ocean Pressure Center (OPC) line of pre-engineered, pre-packaged, turn-key systems are designed to replace less efficient centrifugal high pressure pump and ERD systems. At the core of OPT's systems are water lubricated axial piston pumps and isobaric energy recovery devices (ERD). OPT's unique vertical configuration allows the axial piston pump and ERD to be efficiently and economically linked together in parallel to provide high pressure feed to any size system, from small to large municipal-scale plants. Furthermore, OPT has leveraged their modular approach to stream line and simplify many aspects of the installation process.



OPC-1450 Modular Pumping and ERD System



Key features of OPT's technology include:

- Up to 40% energy savings
- Easy to install
- Space and maintenance efficient design
- Fail-safe monitoring and control
- Integrated control of SWRO process (OPC)
- Proprietary monitoring scheme
- No hose connections
- Online factory monitoring (optional)
- Flexible modular design
- OPT maintains equipment (optional)
- Performance guarantees available

Contact Ocean Pacific to re-power your train at 1.9 kWh/m³ www.ocean-pacific-tec.com.