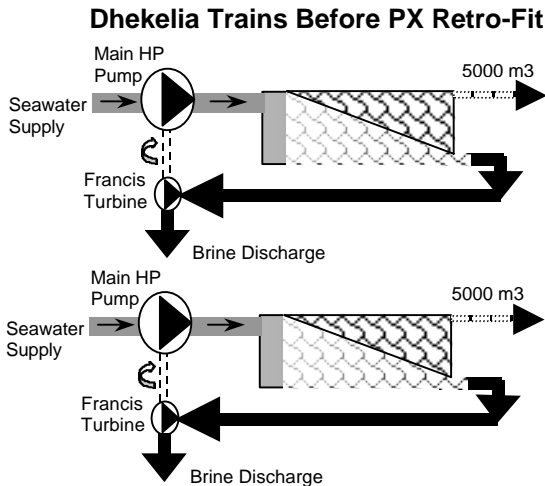




Largest SWRO Positive Displacement Energy Recovery System In the World

After nearly 4000 hrs of operation, Energy Recovery, Inc. has announced the successful retro-fit of a 10,000 m³/day SWRO train at the Cyprus Dhekalia plant. The total plant produces 40,000 m³/day of permeate and is composed of 8ea, 5000 m³/day trains operating at approximately 48% recovery.

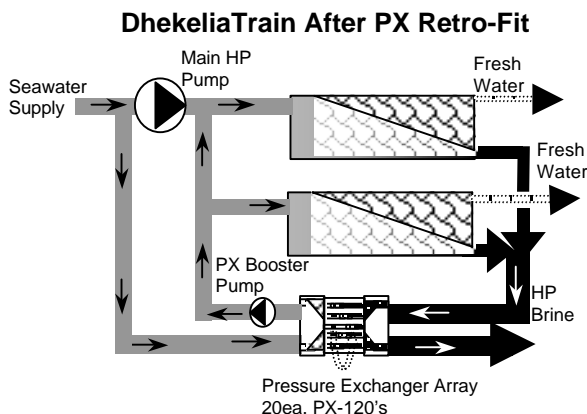
the over 430 m³/hr of reject being produced by the 10,000 m³/day mega-train. The PX's were installed in a single line and proved to be quite practical both in terms of efficient use of space and redundancy.



Dhekalia line up 20ea PX-120's

The project consisted of tying two of the 5000 m³/day control blocks together, disconnecting both of their associated energy recovery Francis turbines and one of the main HP pumps and replacing those items with the Pressure Exchanger system.

John MacHarg of ERI gave Carramondoni Desalination Plants, the owners and operators of the Dhekalia facility, the highest marks for taking on such a challenging project and executing it with an exceptional degree of professionalism and expertise. "It is truly a land mark project," MacHarg said. "It is the largest example of positive displacement energy recovery technology in the world, and it is also the first application of this technology on a mega train of this kind," MacHarg went on to say.



As a clear testament to the projects success, Carramondoni is retro-fitting the following three trains. Train #2 is scheduled for start up before the end of the year. Trains 2-4 will be built out with ERI's new larger rotor however, which will only require 10 each units in parallel to handle the reject flow of the mega train. For more information on the project please contact ERI at sales@energy-recovery.com or telephone 510-483-7370.

The combined trains consumed significantly less power after the PX system was in place. It required 20ea, PX-120 units in total to handle