Synauta

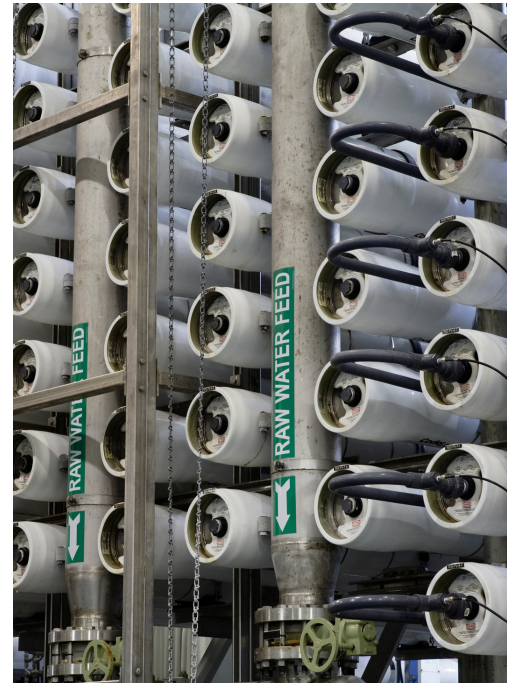Plant owners need the best price for every metre cubed of water.

Plant managers need safe and proven solutions for more efficient operations.

Plant operators need to focus on daily alarms and producing water, without the headaches of lengthy optimization calculations.

Synauta uses machine learning to save you up to 18% energy costs, in the most energy intensive process in seawater desalination: Reverse Osmosis (RO).

Save energy. Produce more water.

Easy for operators, easy for you

We send daily set points to your operators, who save energy by entering the values into the SCADA system and simply continuing on with their day. We can also integrate directly with your SCADA system to realize additional savings. No new hardware is needed and energy savings can be realized instantly.

Optimize multiple trains for max efficiency

Our multi-train optimization simulates multiple trains of RO racks, while approximating the properties of the plant that are difficult to model mathematically. The simulation, combined with machine learning, finds states that reflect the best ways to maximize the performance of a particular plant.

Led by desalination experts

Synauta successfully combines desalination and artificial intellingence to treat more water with less energy, less chemicals, and save customers around the world up to 20% of operational costs. Founded and supported by global desalination experts, our team successfully combines the domains of water, software and optimization to solve real business problems.

Contact us for a historical data audit to see how much energy your plant can save.
Need to save on chemicals? We do that too.

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