



Centro Sambil Margarita



LOCATION
Venezuela

ENGINEER
The Staff Members of
Sea Level Systems, Inc.

CAPACITY
380 m³/d

FEED QUALITY
Up to 35,000 TDS

FEED SOURCE
Seawater

**IN OPERATION
SINCE:**
April 2001

This system produces high quality product water from a ground water source that ranges in salinity from brackish to sea water. The product water is used to supply a large cooling tower system for a new commercial center and shopping complex on a very arid island off the coast of Venezuela.

The basis for the design of this Staff of Sea Level Systems (SLS) supplied Reverse Osmosis Desalination System is prevention of corrosion, very low maintenance and extreme reliability.

Among the features of this Desalination System are a multi-stage centrifugal pump of special Duplex SS for extreme reliability driven by an extreme-duty motor, controlled by a Variable Frequency Drive, an Energy Recovery Turbo Device to greatly reduce the power requirements, special Duplex SS for all the high pressure piping on the system, automatic fresh water flush system to displace the salt water from the entire system upon each shut-down sequence, digital/analog monitoring and a sophisticated and proven PLC control.