Water Solutions

DUPONT™

Desalination

Large-scale Municipal Desalination Plant in Alicante, Spain Runs Reliably with FilmTec™ Technology

The challenge

Freshwater supplies in southeast Spain are significantly impacted by climatic change and population growth. The Alicante II Seawater Desalination Plant, located on the Spanish Mediterranean coast, was built with the aim of minimizing the effects of water scarcity and drought conditions suffered by local communities.

The solution

Since installing roughly 6,300 DuPont FilmTec™ reverse osmosis (RO) elements in 2008, the plant has delivered high-quality drinking water throughout the region without issue.

The benefits

The plant operates at a recovery of 45% for the single pass seawater RO. The well-maintained membranes have demonstrated excellent operating performance and durability since 2008 with no replacements.

Fast Facts

Location: Alicante, Spain

End-user: Mancomunidad Canales de Taibilla (MCT)

Water Type: Seawater

Technology: Reverse Osmosis

Product Name: DuPont FilmTec™ SWRO

Total # of elements: 6,272

Plant capacity: 2,708 m^3/h =65 ML/d [17 MGD]

Feed water quality: 41,000 ppm TDS, 5 ppm B

Product water quality: <250 µS/cm TDS, <1 ppm B

Temperature range: 14-30 °C

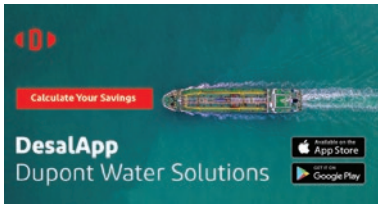
Pretreatment: Dual media filters

Start-up date: 2008

Since **2008** – Reliable membrane performance without replacement

See how much you could be saving

www.desalapp.com



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