

## 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 m³/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

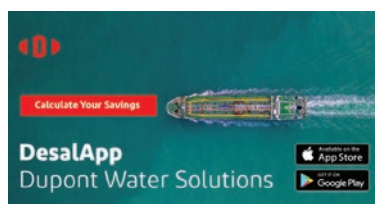
**Pretreatment:** Dual media filters

**Start-up date:** 2008

# Since 2008 – Reliable membrane performance without replacement

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