

Sea water desalination — Paving the way to success with regional resources thanks to InterApp

Campo de Dalías, Spain —
Case Study Water Treatment





Desponia® butterfly valves

*EPDM and EPDM drinking water approved liners,
Super Duplex and stainless steel discs*

Actuators

manual and electric

The Campo de Dalías sea water desalination plant in Spain counteracts the water shortage in the region and prevents the groundwater level from dropping.

The plant, based in the south-east of Almería, in the municipality of El Ejido, is designed for a net production capacity of 30 millions m³ per year. The construction project was planned and developed under state control and was implemented by Aguas de las Cuencas Mediterráneas – a public company that belongs directly and acts under the supervision of the Ministry for the Ecological Transition of the Spanish Government.

From planning to implementation, the project criteria were modified multiple times, in order to align the plant to the highest international efficiency standards. The main goal was to reduce energy consumption, increase operational flexibility and optimise the lifecycle of both components and all system processes.

InterApp Valcom, part of the InterApp Group, made all the difference in the key construction phase thanks to its valuable specialist knowledge, flexibility and great understanding of the project. Two months after having placed the purchase order, the first of 350 butterfly valves rolled off the assembly line and were transported from the factory in Madrid to the desalination plant on a weekly basis. InterApp Valcom's proximity to the production facilities and logistics expertise were a major benefit for everyone involved. Preference was given to local production even during the material selection process: Aguas de las Cuencas Mediterráneas opted for valves with discs produced in Super Duplex, which were produced exclusively in Spanish foundries.

Following a successful completion process, the plant's capacity is being increased to 40 millions m³ per year. The water gained is used in agriculture, as well as being further processed into drinking water, too. All in all, it's a successful project for the region that was implemented using local resources thanks to InterApp.

Desponia® and Desponia® plus, EPDM-lined butterfly valves for all kind of desalination applications



We are there for you. With our global expertise in industrial applications, we understand your requirements and offer expert advice at every stage of your project. At the same time, you can benefit from our international product standards thanks to our global know-how. Our highly skilled technical team, coupled with the quality and durability of our products, makes us a reliable partner for industrial valve solutions.