



## “Leading Spanish company in terms of desalinated water capacity”

### Desalination

Valoriza Agua is the eighth largest company in the world in terms of contracted capacity of desalinated water for the 2006-2016 period : it has designed and built more than 100 installations with a total production of **2.15 million m<sup>3</sup>/day**; this desalinated water serves **14 million people a day**.



[Valoriza Water corporate](#)



### Reduced impact of brine discharge in the sea

**Reduced impact of brine waste in the sea** and in inland plants: in the Binningup plant (Australia) a system of microtunnels has been created beneath the dunes, using pipes to channel the waste from the plant to the sea. An R+D project was carried out in Spain to find brine waste solutions for inland plants, including recovery of chemical products and brine salts and a study of the dispersion and discharge of brine waste.



[➔ Seawater Desalination Plant in Binningup](#)



**Desalinated water**

Use of **desalinated water for high-yield agriculture** in the provinces of Alicante, Murcia and Almeria, with an approximate irrigation capacity of **16,000 hectares**. We have developed a research project on the use of desalination in agriculture in Australia.

[➔ Águilas-Guadalestín desalination plant](#)



**Ashdod desalination plant**

The **Ashdod desalination plant** in Israel will be **one of the biggest in the country** , producing 100 hm<sup>3</sup> of desalinated water a year. Its reverse osmosis technology will provide irrigation and supply 2 million people in the Eilat-Aravá region.

[➔ Ashdod desalination plant](#)



**Energy reduction**

**Energy reduction** in the plants, incorporating the latest energy recovery systems, hybrid/split membrane systems, the use of renewable energies, and coupling of direct ultrafiltration with reverse osmosis.

[➔ Video Sacyr. Premios Sacyr a la Innovación 4ª edición](#)