

2006 Global Water Award – Desalination Plant of the Year

“The world’s largest SWRO desalination facility that raises the ambition of the whole RO sector achieved one of the lowest prices for desalinated water in the world...the project’s achievements may take many years to match (Global Water Intelligence Magazine, January 2006)

The completion of the Ashkelon plant was a milestone event for the desalination industry.

Situated on the Israeli Mediterranean coast, south of Tel Aviv, the world’s largest desalination plant by far at the time, the Ashkelon plant offered mega-production capacity of up to 100 million m³/year (330,000 m³/day, the expansion to 118.7 came only in 2009) at a cost of \$0.53 per cubic meter, a cost that undercut the optimistic forecasts of many industry analysts. As such, the successful completion of the plant opened new horizons for the international desalination industry – and established IDE as the clear leader of the industry’s mega-SWRO desalination space.

The technology innovations introduced in the Ashkelon plant include IDE’s proprietary 3-Center Design (pumping center, membrane center and energy recovery center), Triple Line Intake and a unique Boron removal system. The fully automated plant employs state-of-the-art means for saving energy. The plant is powered by an independent 80 MW combined cycle electric generation plant.

The plant has the capacity to meet around 15% of Israel's potable water requirements and brings fresh water to one of the country's driest corners. Israel's continued urban development and agricultural demand places immense stress on traditional water sources. Through diversifying the water sources, the Ashkelon plant goes some way to relieving the pressure on this scarce resource.

IDE technologies Ltd. welcomes the participants of the EuroMed 2010 Conference to visit the Ashkelon SWRO 118.7 million m³/year plant