YOUR WATER PARTNERS
Half a Century of Achievements

A world leader in water treatment solutions, IDE specializes in the development, engineering, construction and operation of enhanced small to large desalination facilities, industrial water treatment and water reuse plants.

Founded in 1965, IDE has established itself at the forefront of the global water industry with some of the world’s largest thermal and membrane desalination plants, based on the most advanced technologies.

Today, IDE provides high quality water for a wide range of customers including: municipalities, oil and gas, mining, refineries and power stations, with a total capacity of approximately 3 million m³/day, and an industry-leading track record.

IDE brings technological leadership, proven reliability and consistent delivery to all our customers. Our highly experienced and dedicated team knows that strong partnerships lead to success and growth.

Delivering Our Promises

Delivering on time, within budget and above specifications is vital to our customers and therefore vital to us. In 2005 IDE began operating the 392,000 m³/day (118 million m³/year) Ashkelon plant, then the world’s largest SWRO facility. Four years later, IDE followed the Ashkelon success with the 456,000 m³/day (127 million m³/year) Hadera plant, and in 2013 with the 624,000 m³/day (150 million m³/year) Sorek plant. With all three plants we kept our promises to deliver on target and to spec.

IDE has developed a diverse range of reliable, sustainable and economical industrial water treatment solutions at highly competitive prices. As a demonstration of the longevity and quality
of IDE’s industrial water technologies, Wintershall (Emlichheim Oil Field in Germany) has recently completed 22 years of successful operation, with only minimal maintenance required during this time.

Driving Excellence
All our advanced technology innovations focus on delivering higher quality, reduced cost water solutions. IDE’s Build Operate Transfer (BOT) Seawater Reverse Osmosis (SWRO) projects constantly set new records in low cost, large capacity, energy efficiency and effectiveness. The new plant at Sorek, Israel, is the world’s largest and most advanced SWRO desalination plant. With 16” membranes in a vertical array, as well as the pressure centre design, energy consumption is significantly reduced and higher efficiency delivered. At Gujarat, India’s largest desalination plant, there is a track record of continuous operation for more than a decade delivering consistently high quality water to Boiler Feed Water standards.

Harnessing Ingenuity
IDE has a well-deserved reputation as the technology leader in the industry, constantly developing creative solutions for existing challenges.

In Tianjin, China’s largest desalination plant (200,000 m³/day), unique high efficiency thermal distillation technology was implemented, using a proprietary IDE process with low energy consumption to deliver high quality clean water. Powered by the waste heat from the electric plant’s waste heat, a closed seawater circulation mode eliminates dependency on external water sources.
Caring for the Environment

IDE respects and strives to preserve the world around us. Wherever our plants are located, we ensure that they suit our customers’ economic, environmental and social plans. In IDE’s view, this makes moral, as well as business sense. In fact, the company’s reputation rests on its success in continuously improving energy efficiency and minimising impact on our surrounding environment.

IDE PROGREEN™ is a breakthrough for the sector - a modular, compact, eco-friendly RO ‘plant in a box’, enabling delivery of affordable, sustainable, clean water for a wide variety of industries. Based on a revolutionary technology it eliminates the use of chemicals, and is just the latest in sustainable technology advances that IDE has introduced.

A True Global Presence

IDE has its head office in Israel, offices in the US, Canada, China, India, Australia and Chile, as well as strategic partners in other locations, enabling full customer support anywhere in the world.

A Solid Foundation for Growth

IDE is jointly owned by two of Israel’s largest industrial enterprise groups – ICL, one of the world’s leading fertilizer and specialty chemical companies, and Delek, a leading energy and infrastructure group.
A Track Record of Collaboration

IDE believes in true partnership. From the outset, we listen to customers’ needs, develop the right approach, deliver the best solution, and provide consistent support. Our customers get optimal performance not only during the commissioning of the plant, but for as long as required.

IDE’s trusted partnerships with customers, suppliers, financial institutions and local governments are the foundation of some of the largest plants around the world, such as Gujarat in India, Tianjin in China, Cape Preston in Australia, Carlsbad in the US, Sorek, Hadera and Ashkelon in Israel, Sarlux in Italy and more.