YOUR PARTNERS IN
COAL SEAM GAS SOLUTIONS
Reliable | Sustainable | Economical
Industrial Water Treatment Solutions
Specific Solutions for CSG

The large quantity of water that is a by-product of the Coal Seam Gas production process often has difficult water chemistry, such as high silica and alkalinity. Given the remote environments, extreme conditions, strict environmental and health & safety regulations, treating this water in an effective, efficient and reliable way is critical.

IDE delivers efficient and modular solutions for the Coal Seam Gas industry that reduce Capex and Opex. They are based on our decades of experience and are flexible and adaptable to a wide variety of environments and situations. The high reliability of our units delivers highly cost-effective water treatment solutions.
Reliable. Sustainable. Economical.
Produced water treatment solutions

Continuous, reliable and robust water treatment capabilities are essential to maximize the production of non-conventional oil & gas. The challenges of this industry are significant – safety, remoteness, extremes of climate and high operational costs due to difficult logistics, amongst other factors.

IDE’s solutions are based on our decades of experience. Since 1965, IDE has been successfully developing ground-breaking thermal and membrane water treatment technologies, and has a proven track record of hundreds of deployments worldwide. We deliver high reliability solutions that reduce Capex and Opex due to the flexibility and adaptability of our modular approach.

End to End Solutions with Full Process Guarantee

IDE has high expertise and a proven track record in providing cost efficient, sustainable solutions for Coal Seam Gas. We provide:

- **End-to-End produced water** to salt capabilities, including pretreatment, RO-Brine Concentrators and Brine Crystallizers to ZLD level
- **Unique horizontal design** enabling low & flat structures for increased safety and low visibility
- **Systems adapted to customer needs** with the ability to handle different water sources and quality
- **Modular, pre-fabricated solutions** that are easy to install with minimal on-site set up, particularly suited for remote locations
- **Fewer personnel required** thus further reducing operating costs
- **Pre-assembled and tested** prior to delivery, IDE’s solutions are guaranteed to provide high reliability
- **Increased safety and reliability** with unique features such as removable tube bundle, redundancy and overlapping between nozzles and embedded Clean-in-Place (CIP) process
- **Increased sustainability** and reduced operational costs with minimal energy and chemical consumption
- **Proven track record** in EPC, turnkey, O&M, BOT and other business and construction models
About IDE

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

IDE leads the water industry with some of the world’s most advanced thermal and membrane desalination plants. It has an especially well-proven track record in large-scale desalination, including some of the largest plants worldwide, (e.g. in China, India, US, Australia and Israel). IDE also provides modular solutions that allow for growth and IDE PROGREEN™, a chemical-free reverse osmosis ‘plant in a box’. In addition IDE has proven experience in ground-breaking industrial water treatment plants.

Working in partnership with a wide range of customers – municipalities, oil & gas, mining, refineries and power stations – on all aspects of water projects, IDE delivers approximately 3 million m³/day of high quality water worldwide.

IDE listens first to create the best solutions for your needs. We then bring 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.

IDE has teams in the US, Canada, Australia, China, India and Chile, as well as the Israel head office, enabling full customer partnership anywhere in the world.

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.

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