



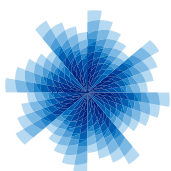
CAPE PRESTON PROJECT

The First Pre-Assembled Large-Scale Desalination Plant

The Cape Preston desalination plant is the world's first large-scale desalination plant that was pre-assembled elsewhere due to the remoteness of the location. It provides high quality clean water to CITIC Pacific Mining's Sino Iron project, overcoming a number of extraordinarily difficult environmental challenges.

Highlights

- **The first large-scale pre-engineered modular plant** - the entire plant was fabricated in 60 pre-assembled modules and tested in the production facility before being shipped to the site
- **Carefully designed 'plug & play' solution** - overcame difficult seawater conditions including very high levels of Total Suspended Solids (TSS), high levels of organics, and large numbers of jellyfish, as well as significant daily tidal variations and conflicting currents that reverse seawater temperature and characteristics every six months
- **Compliance with strict Australian environmental standards** - the Sino Iron desalination plant is designed to be one of the most electrically and chemically efficient plants in Australia



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Overview

- **Capacity:** 140,000 m³/day
- **Technology:** Reverse Osmosis (RO)
- **Project Type:** Engineering-Procurement-Construction and Support Services (EPC&S)
- **Location:** Cape Preston, WA, Australia
- **Footprint:** 54,000 m² (300m x 180m)
- **Commission Date:** 2013



About IDE

IDE is a world leader in water treatment solutions. We specialize in the development, engineering, construction and operation of some of the world's largest and most advanced thermal and membrane desalination and industrial water treatment plants.

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

IDE listens first and then 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.