

DESALINATION

Bechtel has nearly 50 years of experience in providing innovative water management and treatment solutions for customers worldwide.

We provide comprehensive, integrated engineering, procurement, construction (EPC), and startup services that form a proven approach for design and construction of a broad range of utility-scale desalination plants, including those combined with power stations, and existing plant modifications.

When it comes to developing, planning, accessing, utilizing, and managing water resources, Bechtel can deliver a variety of standardized or customized installations to provide clean water for local or regional industrial and municipal purposes.

We have expertise in understanding and applying a variety of technologies to remove salts and minerals from water supplies, including multi-stage flash (MSF), multi-effect distillation (MED), and reverse osmosis (RO). This also includes original concepts for hybrid plants such as MSF-RO solar-thermal desalination, and customized solutions to meet specific customer needs.

HIGHLIGHTS

- » No. 1 power industry engineer and constructor for 12 consecutive years, as ranked by *Engineering News-Record* magazine
- » Nearly 1.1 billion global construction hours managed during past 5 years across all industry business units
- » In 2009, more than 53 projects achieved at least 1 million safe work hours across all industry business units

KEY PROJECTS

SHOAIBA PHASE 2

Overview: Bechtel performed project management, EPC, and startup services for this 454,200-cubic-meters-per-day desalination plant, the largest ever constructed at the time, in Saudi Arabia. The Bechtel-built MSF plant features a 580 megawatt power station and provides vital water for the region.



JAMNAGAR REFINERY

Overview: Bechtel provided engineering, procurement, project management, and construction services for this 148,000-cubic-meters-per-day desalination plant in India. The MED plant supports a 650,000-barrels-per-day oil refinery and a 500 megawatt power plant.



AL TAWEELAH B EXTENSION

Overview: Bechtel provided project management, EPC, and startup services for this 104,500-cubic-meters-per-day desalination plant in Abu Dhabi. The Bechtel-built MSF plant features a 320 megawatt power station and provides vital water for the region.



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