



GHD Desalination

WATER | ENERGY & RESOURCES | ENVIRONMENT | PROPERTY & BUILDINGS | TRANSPORTATION

Major water shortages are being encountered around the world. Seawater desalination offers a reliable source of water supply that is not climate dependent. Many utilities throughout the world are turning to desalination to improve the security of their water supply and in turn avoid major social and economic disruption.

As the world's demand for water grows and communities seek to reinforce their water supplies with non-climate dependent sources, desalination of sea water has become an increasingly attractive option. GHD's work has included significant desalination projects in Australia, the USA and in the Middle East with plant capacities of up to 410 ML per day.

Our specialist team provides comprehensive services covering the desalination of saline water sources such as sea, estuarine, brackish water and treated wastewater for municipal and industrial applications. We offer a multi-disciplinary approach to deliver cost-effective and innovative solutions that harness the latest advances in desalination technologies.

It doesn't end there. The effective delivery of desalinated water is much more than just technology.

Services

- Technology and site selection
- Environmental Impact Assessment and Management
- Infrastructure planning, design and commissioning
- Piping, pumping, intake and outfall structures
- High and low voltage electrical work
- Material durability and selection
- Storage, filtration and chemical dosing
- Instrumentation and control
- Water quality assessments and pilot studies
- Assessment of surface and underground disposal options
- Hydrodynamic modelling for intakes and outfalls
- Pre/post treatment requirements, design life assessments
- Community consultation
- Procurement and owner's engineering services
- Project and construction management services

For further information, contact:

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