

The background of the entire slide is a wide-angle photograph of a water transmission and distribution infrastructure. A long, straight concrete channel with a metal grate top runs from the foreground towards the horizon. The channel is flanked by dry, brownish earth. In the distance, a large body of water reflects the sky and clouds. The sky is a vibrant blue with scattered white clouds. The overall scene is bright and clear, suggesting a sunny day.

# **GHD** Water Transmission & Distribution

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

**With more than 75 years' experience in water supply planning, design, project management and operation, we've established a formidable knowledge base.**

We share a strong commitment to working in partnership with you. That way, you can fully understand how your water systems work. Our engineers, scientists and ecologists address sustainability, water loss reduction and water efficiency improvements.

## Services

- Sustainable water resource management and integrated urban water management
- Drought response planning for the crucial planning, management and sustainable use of water
- Water pipelines, using an impressive set of analytical and design tools to deliver over 5000km of pipelines (100mm to over 3000mm in diameter) in myriad terrains and pressure conditions
- Pumping stations, including delivery of more than 500 pump stations designed with flows from 1 to over 40,000 litres per second and lifts of more than 1000m and challenging complexity through advanced electrical and mechanical technology
- Balance storages in varying sizes, shapes and construction materials (concrete, steel, membranes), including ground level storage, elevated towers, standpipe storage and turkey's nest storage
- Network planning for the implementation and expansion of reticulation networks
- Water hammer analysis
- Water intakes, including design of still-water dam intakes, run-of-river intakes in mountain streams and river-bed intakes
- Groundwater, including solutions to all groundwater abstraction problems, yield assessments, bore development and borehole pumping and treatment
- Leaks, utilising capability in leak detection and control strategies, latest detection equipment and total life cycle solutions
- Rehabilitation, through trenchless technology group solutions for rehabilitation/replacement of existing water mains
- Project management and EPCM services

For further information, contact:

**Belinda Madin**

**T** 61 2 9239 7489

**E** belinda.madin@ghd.com



[www.ghd.com](http://www.ghd.com)