



# GHD Dams

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

**Dams engineering requires understanding and control of the enormous forces and potential energy of water. From foundation and seismic assessments through to geotechnical, hydrological, hydraulic and structural design, projects demand in-depth skills and a coordinated, client-focussed approach.**

We recognise our clients' needs for solutions that harness in-depth knowledge with forward thinking to produce innovative, safe and cost-effective outcomes. We have successfully delivered through all methods of project delivery, from the conventional approach to design and construct, alliances and Engineering, Procurement and Construction Management (EPCM).

## **Services**

- Investigations and appraisals
- Studies
- Design of dams and associated infrastructure
- Tender and construction phase services
- Owner's Engineer and review panels
- Operational support
- Dam safety and risk assessment



GHD provides these services for the following dam types and appurtenant structures:

- Earthfill dams
- Earth and rockfill dams
- Concrete or membrane-faced rockfill dams
- Concrete gravity dams
- Roller-compacted concrete dams
- Concrete arch and multiple barrel arch dams
- Concrete buttress (including diamond-head) dams
- Tailings and mining dams
- Gated and ungated spillways
- Intake and outlet works
- Hydromechanical installations

**For further information, contact:**

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

Photo: Cotter Dam, Canberra. Courtesy of Bulk Water Alliance