



GHD Tunnels

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

Our tunnels team holds extensive experience in both hard rock and soft ground tunnel and underground space design.

GHD's technical tunnelling solutions are characterised by innovation and a focus on our clients' needs.

GHD's skilled tunnel engineers are equipped to provide input during all stages of a tunnelling project from planning and design through to project management. Our experience has been enhanced through the delivery of award winning technical solutions to both contractors and client organisations throughout Australia and internationally.

Services

- Tunnel & underground space ground support design
- Tunnel geotechnics & structures
- Tunnel fire life safety, mechanical & electrical systems
- Tunnel materials technology & ventilation
- Tunnel risk assessment & project finance
- Tunnel ventilation

- Hard rock TBM and drill and blast driven tunnels for hydropower projects
- Cut and cover rail tunnels across waterways
- Underground railway station cavern design with wide spans (25m) and shallow cover (15m)
- Curved pipe jacked tunnels for water supply pipelines and sewers
- Unreinforced monolithic concrete lining design for busway and road tunnels
- Undersea hand-mined and TBM driven tunnels for seawater desalination projects
- TBM launch chamber design using contiguous flight auger piles
- Precast concrete caissons and shaft segments for below ground pump stations

For further information, contact
www.ghd.com/tunnels

