



# GHD Spatial Sciences

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

**The highest quality data and information is a fundamental requirement for those wanting to respond to 21st century challenges. The analysis of spatial information, in particular, is essential to support strategic decision making in the areas of environmental management, planning and urban development.**

Our world is changing. Fast access to high quality geographic data and information is now critical for decision makers in every industry. By combining geographic data with other business information, organisations can see trends and generate meaningful intelligence to streamline internal processes and improve performance.

GHD's award winning spatial sciences team uses Geographic Information System (GIS) technology to acquire, compile, manipulate, interpret and visualise data to reveal geographic patterns and relationships. By bringing together large volumes of disparate data, decisions that were once largely based on guess work, become more quantitative and can be powerfully presented using map-based tools.

GHD has a reputation for innovation. We can be involved at all stages of delivery - from planning and project management, through to data acquisition, processing, modelling, reporting, map production and web deployment.

Work with us and get a grip on GIS.

## Services

- Spatial data presentation and cartography
- Constraints analysis and multiple criteria analysis
- Site and corridor selection
- Data capture, processing and management
- Environmental modelling
- Visibility analysis and visual impact assessment
- 3D modelling
- Utility and transport network analysis
- Remote sensing and image analysis
- Project management
- GIS training
- Web GIS and multimedia
- Business analysis and GIS implementation
- Database design and system development

**For further information, contact:**

**[www.ghd.com/spatial-sciences](http://www.ghd.com/spatial-sciences)**

