We look beyond conventional approaches towards more sustainable solutions which take into account energy use, carbon footprint, resource recovery, and water quality benefits.

Because all wastewaters are different, it is necessary to work with a team that can combine comprehensive knowledge with practical experience in the fields of chemistry, biology, hydraulics, mechanical processes/equipment, instrumentation and control, materials handling and plant layout.

GHD can deliver on all the process components that make up a wastewater treatment plant. We have designed and project managed more than 300 wastewater treatment plants (including major municipal facilities processing 500ML a day and industrial projects).

Our services include process design, process optimisation, plant operations and control systems. GHD can also assist clients to develop long-term, sustainable solutions for wastewater treatment including biosolids and other solids waste treatment and disposal, and effluent reuse.

Services

- Facilities planning
- Alternatives analysis
- Life cycle assessment
- Comprehensive facility evaluations
- Biosolids management planning
- Comparative benchmarking
- Treatability studies and pilot studies
- Process and concept design
- Detailed design for bid/tender
- Design-build owner’s engineering services
- Design-build and alliance partnerships
- Construction phase engineering services
- Construction management and inspection
- Startup and commissioning services
- Process and energy use optimization
- Automation/SCADA design and implementation
- Computerised operations and maintenance manuals
- Pretreatment programs
- Permitting and regulatory assistance
- Utility master planning and asset management
- Economic analysis and rate studies
- Greenhouse gas assessment and reporting
- Program management

For further information; contact: www.ghd.com/wastewater-treatment-recycling