

Industrial Water Solutions



GL aims to become the leading supplier of water focussed asset management services to industrialists through the provision of quality products and first class professional services.

GL is a leading global technical assurance and consulting company providing asset management support to industrialists. GL's solutions assist in managing the selection, maintenance, operation, inspection and renewal of physical assets across the industrial water cycle, including process water, boiler feed water and effluent transport and treatment. GL's knowledge of water asset management has been successfully applied for over 30 years, improving operational performance, regulatory compliance, safety and profitability for our worldwide clients.

Providing the right solution

GL can help you plan and optimise your water and wastewater assets and infrastructure. We understand the unique environment in which you operate and can help you find the right solutions. You need to maintain your assets, optimise resilience and performance, and create working practices that keep your workforce and the public safe, while responding to environmental and economic pressures and demands.

GL tailors its solutions to meet your needs, working with you at all stages of a project from conception and design, to delivery, commissioning and operation to ensure first class service.

Our areas of expertise include:

- Process support services
- Asset resilience assessment and management services
- Water network design and optimisation services
- Asset integrity services



Process support services:

GL offers a wide range of services to support the correct selection, design and operation of process water and effluent treatment assets including:

- Onsite process reviews and troubleshooting
- Flow and load surveying, including co-ordinated sampling and analysis programmes
- Bench and pilot scale treatment trials
- Process modelling and treatment simulation
- Process commissioning, performance testing and optimisation
- Remote process monitoring
- Energy auditing



Asset resilience modelling and management services:

GL provides resilience modelling and assessment services to help industrialists manage their water and effluent treatment assets to ensure efficient capital and operational investment including:

- Process performance assessment
- Reliability, Availability and Maintainability studies
- Spares holding capacity and availability
- Maintenance and repair strategy assessment and development
- Compilation of operating and maintenance manuals
- Best practice operation and procedures development
- System demand optimisation
- Alarm level and call out assessment

Water network design and optimisation services:

GL provides hydraulic modelling and field services to help industrialists manage their water assets and rationalise their water usage. Our services include:

- Water network design and optimisation including potable fire water systems
- Water demand analysis and forecasting
- Leakage analysis and detection
- Pressure management design and optioneering
- Energy audits and usage optimisation
- Fire water flow and network reliability analysis

Asset integrity services:

GL's unique integrity services provide a range of techniques for assessment of asset condition and risk/ consequence of failure. Our services include:

- Asset condition surveying and remnant life assessment
- Environmental and hazard risk management
- Material defect and component failure investigation
- Incident investigation and forensic asset failure analysis
- Fitness for services assessment
- Plant integrity assessment and system audits
- Corrosion management

