

Sampling Analysis Management



A state of the art sampling data management solution

Water companies must provide drinking water that is clean and safe to drink. They must also process wastewater and return it to the environment in a state that doesn't damage aquatic ecosystems. To ensure these imperatives are met, water companies must manage an effective sampling process and maintain its water quality management data.

CGI's Sampling Analysis Management Solution provides effective end-to-end management of water sampling and water quality data. It brings efficiency to the scheduling and management of a water companies' samplers and adds control to the regulatory data capture processes. The water quality data generated provides a rich source of data to help improve water quality and automate regulatory reporting.

BUSINESS AND MARKET CHALLENGES

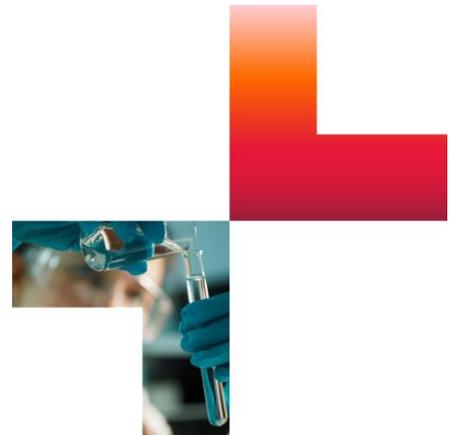
Water company sampling processes are highly regulated. Specified schedules must be maintained and mandatory, regulatory reports produced. In these processes, efficient use of resources is key with large numbers of samplers working as mobile operatives.

It is critical to minimise the times for collection and for transport of the samples to the lab, and full audit trail must be available for the sampling process. The process also generates a valuable source of water quality data which is important to utilise properly.

CGI SOLUTION

We can provide an end-to-end integrated solution that:

- Automates what are often manual processes and adds digital information recorded directly by the technicians and scientists.
- Integrates best of breed products for laboratory sampling management, to optimise resource allocation and routing activities.
- Provides a mobile working application for field workers.
- Provides data into the company data warehouse, making it available for analytics and reporting.



Key Success Factors

- Adds control and rigor to critical water quality processes.
- Provides the audit trail and the critical "chain of custody" evidence for regulators.
- Provides a mobile field worker app for use in other work groups.
- Liberates value from a rich source of water quality data.

BUSINESS BENEFITS

- Samplers' journeys are optimised to minimise travel time and unlock significant fuel cost savings.
- A real time view of samplers' location results in faster and more efficient work allocation.
- Improved data quality and data analysis and reporting.
- A full end to end audit trail is created. Each user has a unique login, enabling full traceability from sample logging, sampling and scheduling.

“Wastewater now has an unprecedented mobile working solution for samplers and field scientists. It has replaced the paper based, error prone, manual system and given us improved governance and oversight of sampling activities including immediate visibility of in-situ sample results and photographs.”

Steve Wilson, Managing Director, Waste Water Services, Dŵr Cymru Welsh Water

About CGI

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world. We are insights-driven and outcomes-based to help accelerate returns on your investments. Across 21 industry sectors in 400 locations worldwide, our 77,000 consultants provide comprehensive, scalable and sustainable IT and business consulting services that are informed globally and delivered locally.

For more information

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