



Forming the best way to track your assets

We were the first IT company to become patrons of the Institute of Asset Management (IAM) and were part of the team that developed PAS-55. We continue to be actively involved in the activities of the IAM and are currently working on defining a data quality framework for asset management.

You are highly dependent on the performance of your physical assets. They must be maintained to improve their longevity, meet appropriate levels of safety and ensure you comply with regulatory pressures. Your challenge is to maintain suitable performance levels from your assets while optimising the balance between capital and operational expenditure. Having the right data to allow you to make risk-based decisions and ensure that time and money are not wasted is crucial. We can help you.

MARKET CHALLENGES

- **Targeted capex and opex spending:** With limited capital (capex) and operational (opex) expenditure budgets, water companies need to make hard decisions about where to spend their money. You need information on the performance of assets, their condition and the likelihood of failure. Only then can risk-based decisions be made to allow limited funds to be targeted effectively.
- **Repair and maintenance on distributed assets:** With miles of pipes, and thousands of assets spread across remote locations and sometimes hostile environments, managing the repair and maintenance of your infrastructure is a complex task. You must co-ordinate the efforts of multi-party field teams, and other resources, across a large region so that they all come together and complete the job on time, at the lowest cost and with minimal disruption to customers.
- **Data management:** Accurate data is the lifeblood of asset management. High quality data needs to be collected from remote locations and stored in an asset repository to allow asset managers to make the right decisions. Similarly, appropriate data must be made available to the field staff that work on your infrastructure.
- **Safety considerations:** This is a health and safety conscious industry; lone workers operating in difficult environments have to be protected. You should know exactly what type of environment your staff are operating in so they can work safely and cost effectively. Mistakes are not an option.
- **Operational challenges:** Your SCADA system can keep your water plants running efficiently, monitor your operational status, control your processes remotely and feed information back to the main systems. The challenge is to get the most out of this very valuable data source. Many water companies are continuing to use SCADA for the tasks for which the systems were originally designed, without realising that the data can be used to inform and improve other business processes.

Our skill is in combining our strong system integration methodologies with a deep understanding of the water industry

For a company with a field workforce of 300 and 50 dispatchers our Asset and Resource Management (ARM) Scheduler can deliver:

- Fuel cost reductions of over \$7000 per month
- Carbon emission reductions totalling 200,000 kilogram annually
- At least 30 minutes more time per resource
- Increased field worker productivity drives over \$18,000 in additional value added work
- \$4 million benefits when allied with mobile workforce solution such as Logica's ARM Field Manager

THE LOGICA SOLUTION

Logica has extensive asset management skills and over 25 years of specific water industry expertise to offer you. We can extend the life of your infrastructure and save you money by providing consultancy and systems which allow you to manage your assets more effectively. We are also leading the field with our work in smart metering, the use of GIS and geospatial technology, and SAP integration – meaning you can partner with a team who are at the forefront of their game.

We can offer you:

Enterprise Asset Management (EAM) solutions: We combine our IT delivery and system integration capabilities together with a deep understanding of asset-intensive industries to help plan, maintain and operate your infrastructure. It is an approach based on many years of experience and a truly international delivery capability. We can help you bring together live information from your geographically dispersed assets to form a dynamic, detailed picture of your operational landscape. Combined with advanced mobile technologies, this integrated view enables people and assets to behave as one coherent organisation. The result is a dramatic increase in the level of control and certainty.

Logica has been chosen by Veolia Environment Group, the French multinational organisation with interests in water and utilities, to support their IT base on Oracle Customer Care and Billing suite.

Utilities geospatial excellence: Water companies are businesses with assets spread over a large and varying terrain. Knowledge of the spatial nature of those assets, their topography and, above all, the connectivity of the networks and customers is vitally important. Logica has a GEO ICT centre of excellence which provides a unique blend of services, including the delivery of systems, data services, and cartographic and remote sensing services to help you get a complete picture of your operational landscape.

We implemented one of the world's largest asset management GIS solutions for Brazil's SABESP, a water company with 6.3 million customers. In this project, we developed SABESP's SIGNOS system, which integrates GIS technology with the SCADA system to provide the company with a complete view of its networks and a central hub for operational control.

Telemetry and real-time capabilities: We have a long heritage in delivering telemetry and operational management solutions for the water sector. This heritage goes back over two decades and includes some of the largest and most innovative water telemetry systems around the globe for strategy design, programme planning and solution delivery.

We have worked with Vitens, a Dutch water company, to deliver a system for asset performance monitoring in real time. This solution is used as a central hub around which the operational management business processes have been standardised. It provides improved real-time data visualisation, enables increased network and leakage performance and reduces operational costs. The system also allows the company to optimise its capital budget by delaying asset replacement.

System integration: Our skill is in combining our strong system integration methodologies with a deep understanding of the water industry. We are committed to ensuring that the solutions we deliver allow you to optimise your business processes and get the most out of your IT systems.

We have been working with Welsh Water as their applications management partner since 2002. In that time, we have helped develop their IT systems and applications to ensure that they fully support their business needs in a changing market.

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Logica is a business and technology service company, employing 39,000 people. It provides business consulting, systems integration and outsourcing to clients around the world, including many of Europe's largest businesses. Logica creates value for clients by successfully integrating people, business and technology. It is committed to long term collaboration, applying insight to create innovative answers to clients' business needs. Logica is listed on both the London Stock Exchange and Euronext (Amsterdam) (LSE: LOG; Euronext: LOG). More information is available at www.logica.com

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