TECHNOLOG GROUP

SMART INFRASTRUCTURE FOR A SUSTAINABLE FUTURE

For over 40 years, Technolog Group has been at the forefront of innovation in water, wastewater and gas network monitoring. We provide intelligent, end-to-end solutions that enable utility providers around the world to optimise operations, reduce losses, and future-proof their infrastructure.

Leading the Way in Remote Monitoring Technology

Technolog's cutting-edge portfolio is designed for rapid deployment and seamless integration with existing SCADA and telemetry infrastructure. At the heart of our offering is the Cello range—a family of advanced cellular-based data loggers that deliver high-frequency, low-power data transmission offering over 5 years of uninterrupted operation. With Technolog's product range, organisations can confidently optimise their monitoring capabilities while reducing costs and complexity.

Today, over 450,000 Cello units are deployed in more than 150 countries, making Technolog one of the world's largest collectors of machine-to-machine (M2M) data in the utility sector.

Group Structure & Capabilities

Comprising Technolog Ltd, Utilitec Services Ltd, and Utility Data Services Ltd, the Technolog Group delivers a full-service ecosystem. From state-of-the-art product development and seamless installation to smart data management and powerful analytics, we deliver comprehensive support designed to propel utility networks forward.

Our success is powered by deep domain expertise in:

- Cellular communications
- SCADA integration
- Remote diagnostics
- IT infrastructure
- Water, wastewater and gas network optimisation

Since launching the first Cello unit in 2000, we've continually evolved our technologies to meet the dynamic needs of utilities facing increasing regulatory, environmental, and operational challenges ensuring our clients are equipped to meet both current and future demands.

Innovating Water & Gas Networks

Cello solutions are trusted by utilities worldwide to monitor critical assets, spanning distribution networks, customer connections, and pressure points. These smart devices allow utilities to manage their clean water networks proactively minimising leakage through early warnings, providing pressure control to maintain consistent service levels, reduce burst frequency and enable data-driven decision-making.

In AMP7 Technolog Group supplied and installed 40,000 Cello Sewer Alarm devices, a year ahead of target, to provide early warning of internal and external sewer flooding events for Yorkshire Water. Consequently, saving Yorkshire Water millions of £s in environmental penalties.

In the gas sector, Technolog has served as a strategic partner in the gas sector since 1981, supporting industry leaders from the era of British Gas through to National Grid and Cadent. This included delivering a turnkey Automatic Meter Reading (AMR) solution across industrial and commercial sites. Our Cello 6-based platform now supports over 85,000 installations in the UK and 107,000 internationally, including France and emerging global markets.

Driving Sustainability Through Innovation

Technolog plays a vital role in helping utilities meet their sustainability goals. Our technologies enable significant water savings — reducing daily losses by hundreds of megalitres — and improving network efficiency through intelligent pressure and leakage management.

With powerful analytics, robust hardware, and resilient connectivity, our solutions unlock actionable insights that empower utilities to deliver more sustainable and reliable services.

Global Reach, Local Support

Technolog maintains a strong presence across the UK and Europe, with offices in Derbyshire and Paris, and a global network of distributors and technical partners. Our experienced team of sales and support engineers provides expert advice, training, and on-the-ground assistance—ensuring every project is delivered with precision and care.

Why Technolog?

- Trusted by leading utilities worldwide
- Over 450,000 units deployed globally
- Pioneers in low-power cellular telemetry
- Expertise in high-frequency data transmission
- Unrivalled battery life & device durability
- Comprehensive end-to-end service offering

Our Mission

With innovation at our core and a legacy of proven performance, Technolog continues to redefine what's possible in network monitoring and control. Our mission is clear: to enable smart, sustainable infrastructure through intelligent technology—today and into the future.

Technolog Group

Empowering Utilities for a Smarter, More Sustainable Future

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CASE STUDIES

Case Study: SES Water – Building an Intelligent Water Network

SES Water has partnered with Technolog, Vodafone, and Royal HaskoningDHV to create a cutting-edge, self-learning water distribution network. The goal: reduce leakage by 15% within five years, and by over 50% by 2045.

As part of this ambitious project, Technolog is supplying the Cello 4S datalogger—leveraging NB-IoT connectivity for low-power, high-frequency data transmission. These devices monitor flow, pressure, transients, and water temperature, with capacity to expand into water quality sensing.

The system supports two-way communication, enabling real-time monitoring and faster decision-making. Combined with AI-driven analytics from Royal HaskoningDHV, SES Water can detect network events instantly, reduce response times, and make smarter asset interventions.

This pioneering collaboration is setting a new benchmark for intelligent water networks—delivering faster leak detection, improved supply reliability, and a smarter, more responsive customer experience.

Case Study: TasWater – Tackling Leakage with DMA Intelligence

TasWater, which manages more than 208,000 water connections and over 6,300 km of pipeline across Tasmania, is taking a proactive approach to reducing Non-Revenue Water (NRW) through the strategic implementation of District Metered Areas (DMAs). Previously reliant on reactive leak repairs, where only visible leaks were addressed, TasWater faced significant water loss from non-surfacing leaks that went undetected and unrepaired.

To address this, the utility introduced a permanent leakage control strategy by dividing its network into DMAs and equipping key mains with flow meters. Each DMA is continuously monitored to quantify leakage levels, enabling maintenance teams to focus their efforts where water loss is highest. As part of this initiative, Technolog's Cello 4S NB-IoT data loggers were chosen as the preferred solution to monitor flow and pressure in real time.

The adoption of Cello 4S has enabled TasWater to detect potential leaks remotely, monitor night flow patterns, and shorten the cycle between detection and repair. This intelligent approach has helped reduce water wastage, lower maintenance costs, and enhance the utility's ability to isolate districts quickly in the event of a contamination risk. Following the successful deployment in the first DMA, Cello 4S is now being standardised across future installations, supporting TasWater's long-term goal of reducing NRW and improving operational efficiency.

Case Study: Yorkshire Water – Proactive Sewer Monitoring

Yorkshire Water, in partnership with Technolog and Utilitec Services, has deployed over 3,000 sewer alarms across Sheffield as part of a larger initiative to install 40,000 devices throughout the region. The technology uses pressure sensors to remotely detect rising water levels in combined sewer gullies, alerting teams to potential blockages in real time.

Within just six months, 100 sewer blockages were identified and resolved early in Sheffield, Rotherham, and Barnsley, helping prevent environmental damage and disruption to customers. By enabling rapid response, the system reduces the risk of sewer overflows and improves network performance.

The project continues to expand across Yorkshire, with 10,000 monitors expected in Sheffield alone—demonstrating how smart monitoring can deliver tangible environmental and customer benefits.

Case Study: EPMAPA – Enhancing Water Distribution in Santo Domingo

EPMAPA, the public water and wastewater utility serving Santo Domingo, Ecuador, is committed to delivering high-quality drinking water and sewage services to support the well-being of its community—both now and for future generations. Facing challenges from a lack of visibility across the water distribution network, EPMAPA sought a reliable solution to monitor pipeline pressures and tank levels in real time, in order to improve control of potable water delivery throughout the city.

After a successful pilot that delivered 100% data reliability, Technolog's Cello wireless data logger was selected for full deployment. The system allows for remote pressure and level monitoring, transmitting live data directly to the operations department—particularly in alarm situations—while operating on long-life battery power ideal for remote locations.

This implementation significantly improved operational efficiency, reduced manual reading and processing errors, and enabled better control of tank overflows, water losses, and supply reliability. With the ability to store, analyse, and act on accurate data from across the network, EPMAPA has achieved greater cost efficiency and improved water distribution performance across Santo Domingo.

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