



Central Event Management (CEM) for the Water Sector

A must-have layer for water utilities to drive operational efficiency, reduce water loss, improve customer service and ensure the optimal use of resources.

TaKaDu is a global software provider of **Central Event Management (CEM)** solutions for the water industry, empowering utilities to manage their networks proactively and efficiently.

Our cloud-based service enables utilities to DETECT, ANALYZE and MANAGE network events and incidents such as leaks, bursts, faulty assets, telemetry and data issues, operational failures and more. We help utilities detect problems early (e.g. hidden leaks), shorten repair cycles, and resolve the event quickly.

TaKaDu's technology is based on data analytics and machine learning, converting raw data into critical knowledge and actionable insights about network events. As a central management layer, TaKaDu is fully integrated with other enterprise IT systems such as GIS, asset management, work order management, call centers/CRM, ERP, AMI/AMR and other detection technologies like acoustic leak detection.

TaKaDu is operational in leading utilities in 13 countries, including Australia, the US, Brazil, Chile, Finland, Israel, and Spain. Our customers span water utilities of every kind: small/large, rural/urban, and private/public.

Key Benefits

- Early detection of all types of network events & incidents
- Network visibility
- Mature & proven SaaS product
- Easy-to-use user interface
- Fast deployment of 4-6 weeks
- Effective insights for multiple operational functions
- Significant savings in energy & operational costs
- Seamless integration with other IT modules & other detection systems
- Open platform & future-proof (hardware/software agnostic, integrating data from any type of IoT device)
- Optimized asset management and maintenance
- Improved customer service
- Community hub for customers and partners (online user forum)

“Since deploying TaKaDu at Unitywater in 2013, we have achieved savings of a few billions of liters of water over the years, both in hidden leaks as well as avoidance of large bursts and reduced the average repair cycle of network incidents by over 60% – allowing us to improve customer service and increase total efficiency.”

George Theo, CEO, Unitywater, Australia

Bridging the Silos

TaKaDu provides a central hub for all incident-related information, combining all the different data sources of events into one operational layer, shared by all who need to see it.

The system bridges organizational silos, improving communication and coordination across relevant departments for increased operational efficiency and the highest levels of customer service.

TaKaDu helps to align **People, Processes, and Technology (PPT)**, prioritizing assignments, repairs and investments, while providing insights into network performance.

How Does It Work?

TaKaDu's **Central Event Management (CEM)** integrates the utility's multiple data sources into a single layer about events, to be used by different functions. By aggregating raw data from multiple online and offline sources, and using data analytics, TaKaDu detects network events and incidents including behavior changes and potential issues.

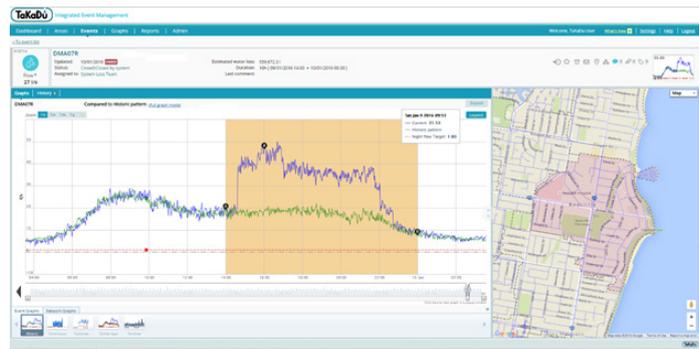
TaKaDu provides all the information about each event (e.g. start time, magnitude, priority, location, 'owner' among the utility team, etc.), enabling utilities to take the necessary action. The user can then manage the event, make data-driven decisions, prioritize actions, share the event with other people in the organization, and track event changes. Based on 10 years of experience, TaKaDu is continuously improving its patented technology and adding new features, leveraging on the large community of users across the globe.

The system provides managerial dashboards, actionable insights and detailed reports to leadership teams, delivering improved asset management and regulatory compliance.

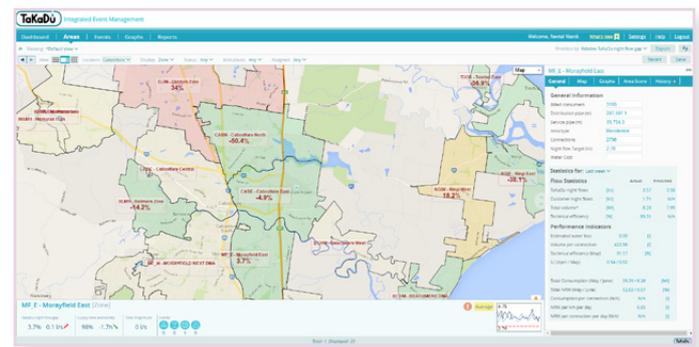
TaKaDu is a cloud-based SaaS platform, easy-to-use, flexible and scalable. Our patented technology has earned notable commendations, including the World Economic Forum ('Davos') Technology Pioneer Award and a Harvard Business School case-study.

"TaKaDu's event management paradigm has transformed the flood of incomprehensible data into meaningful information that the KUB organization can effectively use."

Ted Tyree, Water Systems Engineering, Knoxville Utilities Board (KUB), USA



TaKaDu's Event Life-cycle Management – e.g. leak detection



TaKaDu's Areas View – allowing utilities to visualize and analyze network performance on an area basis



TaKaDu's Management Dashboard – providing a strategic decision-making support tool