



Temetra

Helping utilities on their digitalization journey



TEMETRA™ AND THE EVOLVING UTILITY LANDSCAPE

As utilities increasingly prioritize digitalization, Itron is evolving its Temetra™ platform to meet the critical challenges of modern water management. By adopting Temetra, utilities accelerate their transformation goals while maintaining efficient day-to-day operations, ensuring a seamless digital transition with minimal disruption and a rapid return on investment. Itron is committed to supporting utilities at every stage of their digital journey, helping them successfully navigate the evolving challenges of today's dynamic landscape:

Navigating Disparate Systems:

Utilities often manage a range of data collection technologies – manual reads, AMR, AMI. Multiple technologies often need multiple software platforms to capture and read the data. Temetra can read all these technologies, from multi-vendors, and simplifies this process.

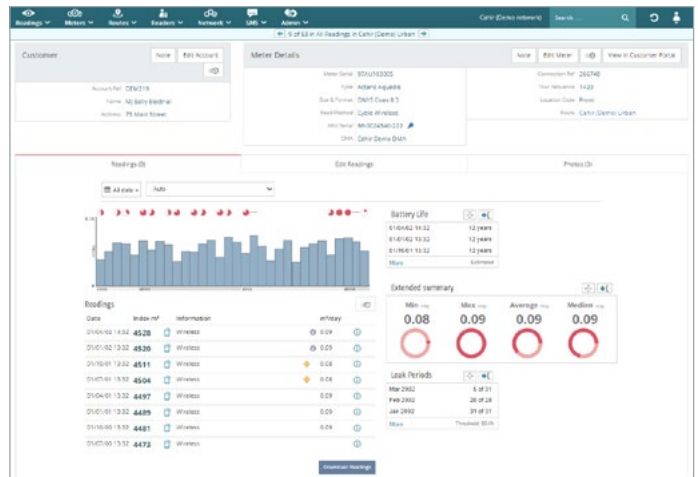
Digital compatibility: Effective digitalization requires solutions that can integrate with diverse utility systems, each with unique lifecycles and capabilities. Temetra addresses these needs offering flexibility and standards for seamless compatibility, making it easier to manage a mixed technology environment.

Powerful Data Management: As utilities transition to Advanced Metering Infrastructure (AMI), they will gain access to massive amounts of data. Temetra's data management system ensures data accuracy and reliability, helping avoid billing issues, customer complaints, and inefficiencies.

Operational efficiency: Operational efficiency is crucial for utilities to make the best use of existing resources while enhancing service and deploying complex plans like digitalization programs. Temetra is designed to minimize these challenges ensuring that daily operations remain efficient even during transitions.

Leveraging Data for Insights: Collecting and storing data is only the first step – Utilities will need to efficiently manage this information to unlock valuable insights. Temetra enables utilities to centralize and analyze data, producing actionable insights from day one.

Enhancing Customer Interactions: When customers don't have visibility to their water and energy consumption, billing inquiries and complaints go up. Temetra provides visibility to consumption data, as well as alarms and analysis to enhance customer interactions and understanding of their usage.

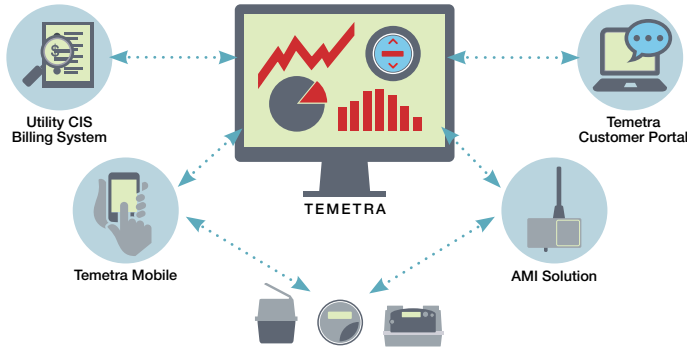


Customer service dashboard helps you see meter reads, alerts, and consumption in one view to respond to customer questions.

TEMETRA™: YOUR COMPREHENSIVE WATER DATA COLLECTION AND MANAGEMENT SOLUTION

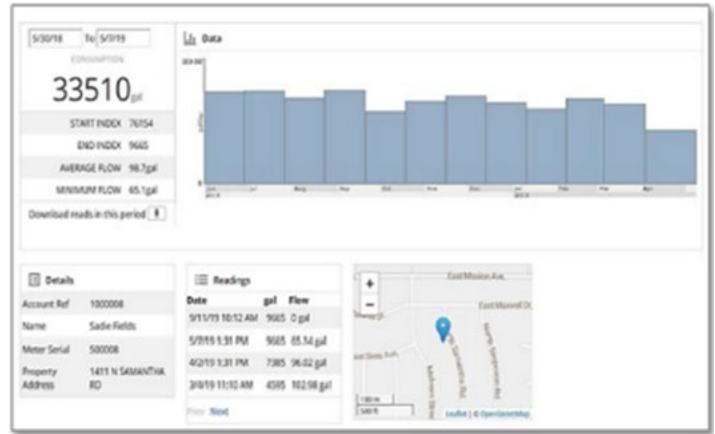
Temetra™ is a cutting-edge cloud-based data collection and management system designed to work seamlessly with multiple collection technologies including handheld devices, Automated Meter Reading (AMR), and Advanced Metering Infrastructure (AMI) across a utility's network. Flexible and scalable, Temetra ensures efficient data collection, in-depth analysis, and swift action, making it the ideal solution for modern utilities.

Temetra supports multiple technologies and is evolving continuously to support new technologies. The system offers standard integration to a range of fixed network technologies, supporting Lora, SigFox, and NB-IoT Cellular connectivity among others.



Feature-Rich for Taking More Actions

- » Data Management: Estimation and validation, data unification
- » Support for multiple technologies, data consolidation. Easy transition from AMR to AMI
- » Asset inventory and management: Device management and photo storage
- » Long term data storage
- » Device management enabling cellular NB-IoT devices management
- » Data analysis
- » Alarms and events management



Configurable dashboards show the details that matter most to your utility.

POWERFUL, SCALABLE, AND SECURE DATA MANAGEMENT

- » Near real-time meter data to facilitate making informed decisions.
- » Ensures data integrity and scalable growth.
- » Optimizes investments with multiple technologies support, simplifying asset management.
- » Maintains continuity through technology upgrades.
- » Supports compliant, long-term data retention.
- » Provides infrastructure insights for efficient planning.
- » Enhances transparency for compliance and risk management.

Secure Data Centers

Temetra stores data in highly secure and reliable local data centers. Service providers can vary, based on the utility, country, or region's data storage requirements. Security is assured through SSAE 16 SOC 2 Type II – certified data centers and internal operation and maintenance security controls based on industry best practices derived from ISO 27002. Itron's 24/7 operations center staff manage and monitor all SaaS environments.

Flexible Approach to Integration and File Transfer

System integration is a critical element of Temetra, optimizing internal business processes and enhancing the overall efficiency of utility operations. Temetra's user-friendly integration approach minimizes the potential risks, scheduling challenges, and costs associated with project implementation.





Automated File Transfers: Secure file transfers (SFTP) enable scheduled or ad-hoc data exchanges between Temetra and utility systems.

Standard Formats: Data exports use widely compatible formats, such as CSV, for easy integration with most utility systems.

Flexible Data Exchange Options:

- » **Temetra Interface:** Manage file transfers directly within the user interface.
- » **Automated SFTP:** Pre-configured, secure transfers supported by Itron Professional Services.
- » **REST API Integration:** REST API calls enable customized, automated data exchanges with comprehensive API documentation.

Customer Web Portal

A customer web portal enhances transparency and enables proactive water management. Customers can monitor their usage in near real-time and access detailed consumption insights at 15-minute, hourly, daily, and monthly intervals. The portal encourages proactive conservation by empowering users to track historical data, receive early alerts, and reduce reliance on utility notifications:

- » Data updates from 15-minute to yearly intervals.
- » Custom alerts to avoid high bills.

TEMETRA LANDSCAPE

Temetra has demonstrated scalability, accommodating thousands of customers ranging in size from several hundred meters to several million, with more than 40 million endpoints hosted globally.



+ More Daily

Multiple technologies, multiple manufacturers



Updates Pushed
Continuous Enhancements



High Performance,
Scalable Platform



+ 1500

Customers in more than
100 countries



+ 40M

endpoints
delivered

- » Map view for location-specific data.
- » Access to near-real-time and historical data.
- » Encourages water conservation and self-management.

Unlock the Potential of Your Data

Experience the transformative power of streamlined data collection and management with our advanced solution. Whether you're facing challenges with disparate data sources, inefficient processes, or limited insights, we have the tools and expertise to help.

Why Choose Us?

- » **Comprehensive Solutions:** Our platform offers robust features to integrate, organize, and analyze data from various sources seamlessly.
- » **Tailored Demonstrations:** Schedule a personalized demo with our experts to see how our solution can address your specific needs and challenges.
- » **Proven Results:** Learn from successful implementations across industries where our solution has optimized operations and driven actionable insights.

Don't miss the opportunity to transform your data into a strategic asset. Embark on a journey towards smarter data management and operational excellence.

To learn more visit itron.com

We create a more resourceful world

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