



CONNECTING THE DOTS FOR UTILITIES

mPrest is a leading-edge global provider of mission-critical **monitoring and control technology and solutions**, enabling the integration of multiple complex systems that reduce project development time, cost and risk for utilities worldwide.

mPrest

HOLISTIC SITUATION
PICTURE

REAL-TIME
DIAGNOSTICS

PREDICTIVE
ANALYTICS

CONDITION-
BASED, PREDICTIVE
MAINTENANCE

ABILITY TO ACT IN
REAL TIME

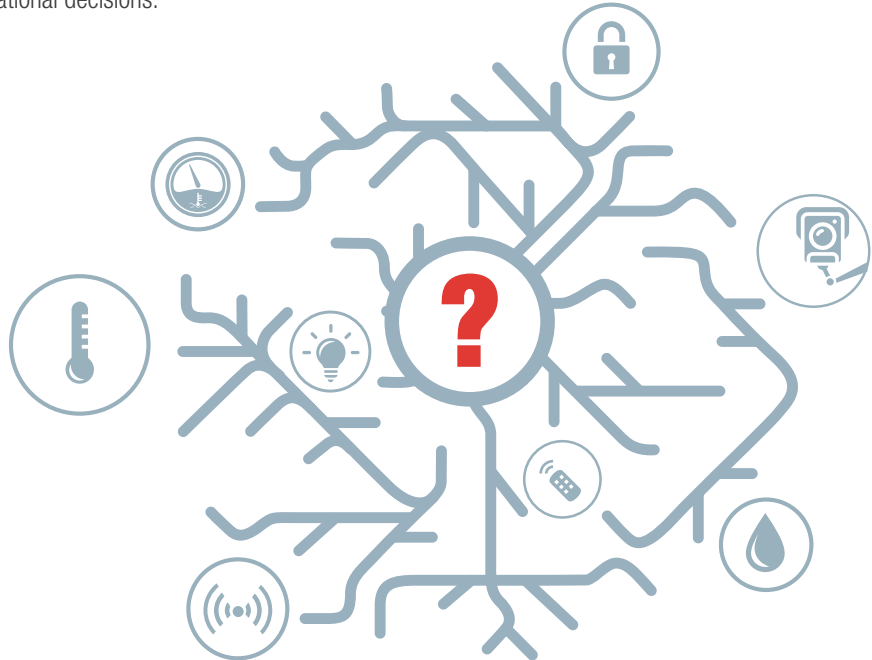
EFFECTIVE
LIFE CYCLE
MANAGEMENT

ASSET
PERFORMANCE
MANAGEMENT

THE CHALLENGE: SENSOR DIVERSITY

The utilities sector is characterized by **myriad unconnected, legacy-based heterogeneous systems** offered by several vendors that operate according to different standards (e.g. Ethernet, SCADA, OPC, ONVIF, MODBUS).

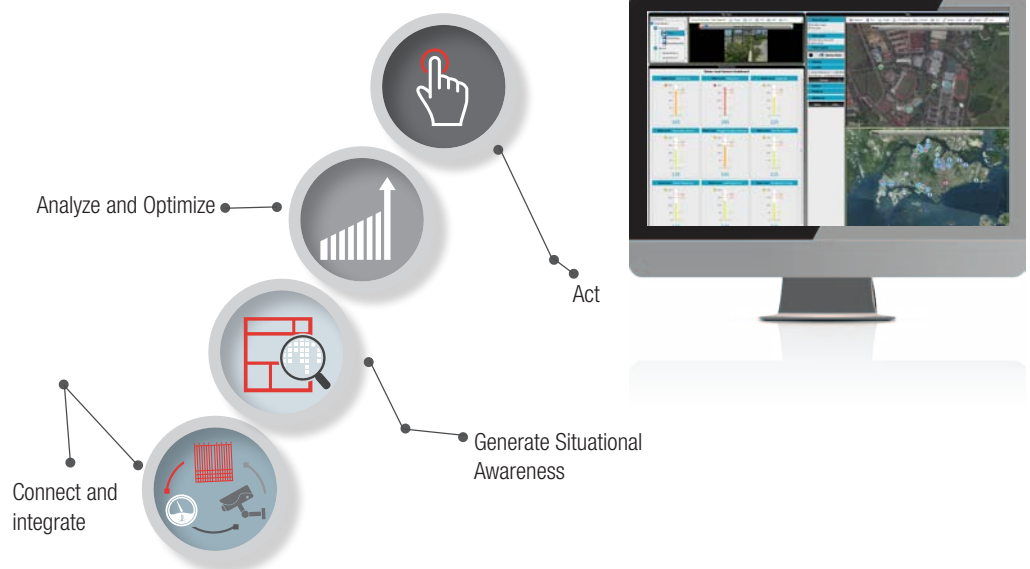
Each system typically covers a particular area of activity (e.g. temperature, pressure, noise, alarm, access control), and is not integrated with the others. Due to this complexity, utilities management teams typically find it difficult to create a coherent, cross-organization situation picture, and to make operational decisions.



LEADING-EDGE MONITORING & CONTROL TECHNOLOGY & SOLUTIONS

mPrest's software technology builds a system of systems, "**connecting the dots**" on a **single information grid**. From **connecting and integrating multiple and heterogeneous systems**, through generating **an integrated situational awareness picture and running real-time optimization and analytics**, to **executing appropriate action**, mPrest provides end-to-end coverage for all monitoring and control activities.

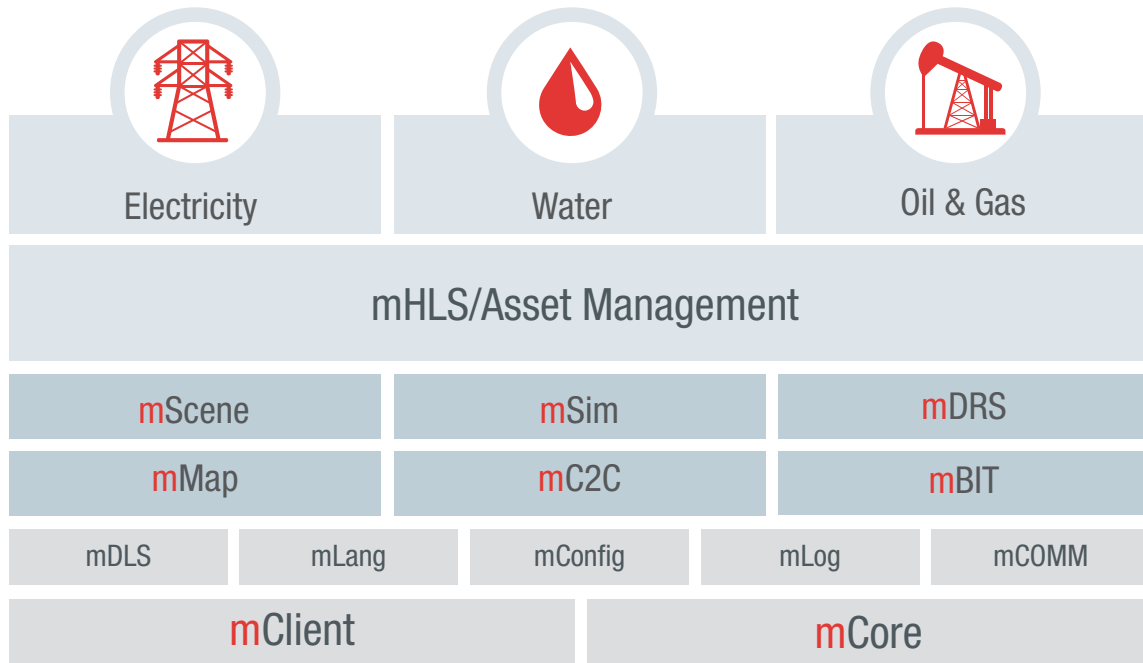
mPrest nurtures strategic partnerships with utilities and system integrators worldwide to improve system performance and lower project development time, cost and risk.





GAME-CHANGING TECHNOLOGY

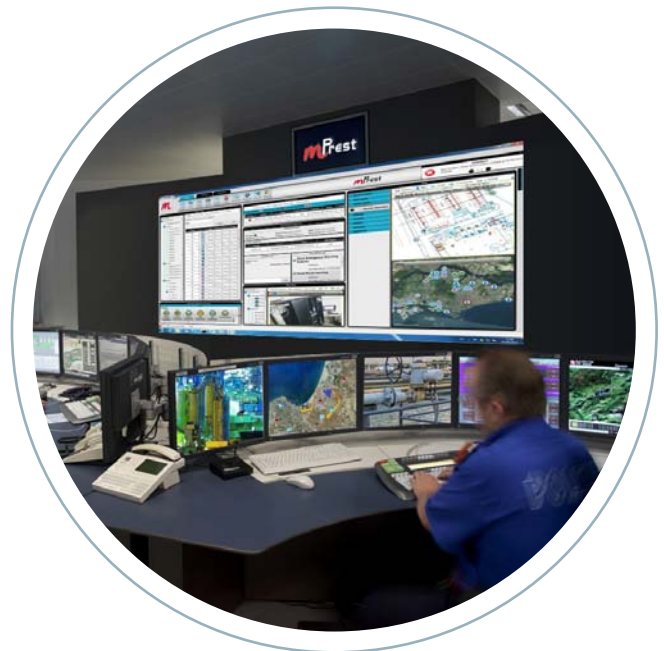
Anchored by its groundbreaking technology, mPrest has created **a new paradigm in the development and adaptation of monitoring and control systems**. Featuring **modular building blocks that together form an advanced, robust and generic platform**, mPrest's technology facilitates integration, project development and system adaptation for utilities and system integrators.



UNRIVALED FLEXIBILITY

mPrest's generic, modular technology delivers several benefits to clients and users.

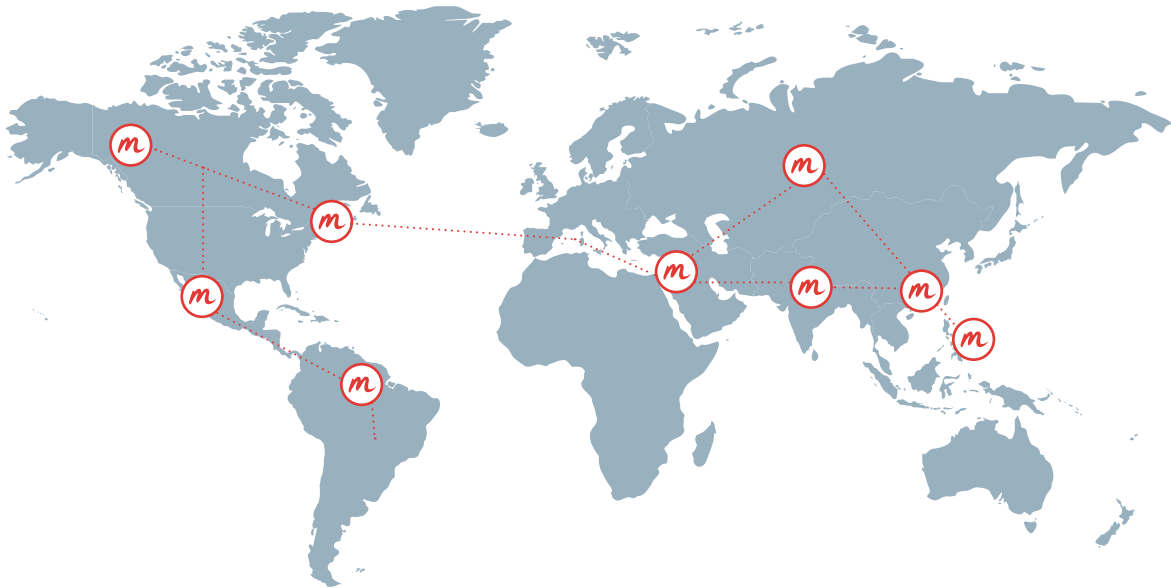
- **“System of systems”:** enables the development of a single holistic, vendor-independent system, by seamlessly integrating heterogeneous sensors from diverse vendors that incorporate various standards, IPs and other characteristics
- **Greater user empowerment:** empowers system integrators to integrate multiple complex systems, and enables operations personnel themselves to adapt systems to myriad changes in rules, languages, operational modes and sensors
- **Faster time to market:** dramatically shortens development time, as well as turnaround time required for changes
- **Higher adaptation and scalability:** seamlessly adapts to changes in rules, operating procedures and sensors, and easily scales to any level of expansion or redeployment
- **Enhanced reliability and performance:** provides a proven infrastructure that delivers greater system reliability, robustness and performance over time





GLOBAL TRACK RECORD

Initially developed for the highly-demanding defense sector, mPrest technology powers field-proven solutions that operate **24/7 in the most challenging and rugged environments across the globe**. Highlighted by its C² system for the renowned **Iron Dome** air defense solution, mPrest's innovative solutions now serve **electric and water utilities, as well as oil and gas organizations worldwide**.



Asset Management & Energy Consumption Optimization for a National Water Utility

- Infrastructure includes 3,000 enumerator facilities, 9 main command & control centers, over 1 million pieces of data, a central filtration facility, dozens of servers and operational databases, 16 local/remote DRP sites, several desalination plants, 3,500 HMI screens, and thousands of daily indications.
- Leverages existing systems, sensors and infrastructure based on monitor, predict, prevent and control (mPPC) methodology.
- Creates national unified picture and unified policy management, maps out water network system, creates generic forecast, develops and executes daily work plan (e.g. valve opening, pump closing), connects water supply data for all relevant enterprise data, updates continuous changes in energy consumption, and incorporates diverse electricity rates from multiple vendors at different times and operational data from various pumps working at different efficiencies.
- Delivers double-digit operational cost savings.

"Information Grid," an Integrated Monitoring & Control System for Power Utilities

- Integrates multiple systems involving a combination of several operational outputs.
- Flexibly integrates various sensory systems from security and safety to transformer, operations and M2M.
- Seamlessly adds new rules and procedures via user-friendly rules engine.
- Manages all systems from, and displays output on, a single system.
- Records all events carried out by system operator and event portfolio, generates reports and debriefs.
- Connects over 300 sites, 5 levels of hierarchy, and tens of thousands of sensors with one integrated grid.
- Completed proof of concepts within weeks.