MULTITECH®

CONNECTING DATA TO DECISIONS



The Building Knows First:

Catching Energy Waste, Water Leaks and Equipment Problems Before They Cost You

Smart Building Challenges & MultiTech IoT Solutions



Challenges

- **Limited visibility across building systems.** Traditional BMS is often reactive and data is siloed
- **High cost & complexity of wired infrastructure** - difficult to retrofit existing buildings and scale deployments
- **Operational risks (e.g. leaks, energy waste, environmental conditions) -** lack of real-time monitoring leads to downtime and inefficiencies

MultiTech Solutions

- **LoRaWAN gateways + wireless sensors** deliver long-range, low-power monitoring across buildings
- **Seamless integration with BMS (BACnet / Niagara)** for real-time data, alerts, and centralised management
- **Scalable, retrofit-friendly deployments** enabling use cases like leak detection, energy monitoring, and occupancy tracking

The Convergence of IoT into BMS

MultiTech Brings Wireless Sensor Data into Building Management Systems



Transformative Results at Chicago Residential Blocks



Proactive Maintenance

- Response times reduced by 80%
- Preventive maintenance
- Energy savings

Tenant Satisfaction

- Sense of security: "We catch issues before they flood your home"
- Faster resolution → higher resident retention
- Proactive, resident-first management
- Reduce IAQ complaints

Sustainable Outcomes

- Water loss prevented
- Environmental footprint reduced
- Aligns with green building standards

Smart Energy Management for a Multi-Site Restaurant Chain

What Was Implemented

- Deployment of wireless monitoring across multiple restaurant locations
- Focus on critical areas: leak detection, temperature, and environmental conditions
- Centralised visibility across sites via connected infrastructure

Technology Used

- MultiTech LoRaWAN sensors for low-power, long-range data capture
- MultiTech gateways providing reliable in-building connectivity
- Integration into BMS / Niagara platforms for unified monitoring

Outcomes

- Real-time alerts enabling faster response to issues
- Reduced risk of damage and downtime through proactive monitoring
- Scalable, cost-effective rollout across distributed pub environments

Turning Store Data into Measurable Business Performance



Connected Visibility

MultiTech wireless sensors and gateways provided real-time visibility into refrigeration, environmental conditions, and store operations across hundreds of locations.

Actionable Insights

By integrating sensor data into a BACnet-enabled building management environment, facilities teams could identify issues earlier and respond faster.

Measurable Results

The retailer reduced spoilage risk, lowered energy waste, and improved operational consistency across its entire store network.

Future-Proofing with MultiTech & Niagara

Scalable, Secure, Ready for Tomorrow

- LoRaWAN® ecosystem supports easy expansion
- BACnet-aligned paths for broader BMS integration
- Predictive analytics potential via Niagara tools
- Protects against evolving risks: climate, aging infrastructure



Buildings that think.
Connections that last

Connect with the MultiTech Team



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