LEGIONELLA

TEMPERATURE SENSORS CAN PREVENT LEGIONELLA OUTBREAKS

Legionella found in water systems is potentially fatal. A *Legionella* scare can shut down a building or put a company out of business. Temperature tracking is critical to meeting health and safety standards.

Manual Monitoring is Time-consuming, Costly and Potentially Inaccurate
To reduce risk and adhere to compliance requirements, facilities managers must regularly monitor water conditions. For larger buildings, time-consuming checks and remediation can cost $100,000 or more per year. Yet, these static checks may miss changes in temperature that occur between monitoring windows.

Safe Water. Always.
Mini-sensors are easily applied in water sources or inlets, midpoints, and endpoints, in sections of process piping that become isolated ("deadlegs") as well under sinks within a tenant demise for a comprehensive check of a building. Sensors ensure that in any location where water may come in contact with people:

· Hot water stays above a certain temperature
· Cold water stays below a certain temperature
· Expected temperatures are reached within a certain period
· Water doesn't remain stagnant for long periods

If temperatures fluctuate outside of normal ranges, sensors send alerts so facilities teams can act before a Legionella outbreak occurs. An immutable audit trail lets facilities managers see and share historical data and demonstrate reasons for taking action.

Manual temperature checks and remediation can cost $100,000 or more per year.

MEASURE THE BENEFITS OF
SENSOR-DRIVEN LEGIONELLA MONITORING

- Safe, healthy drinking water
- Improved temperature accuracy
- Reduced labor costs
- Alerts for early identification of problems
- Automatic generation of compliance reports

How It Works

Disruptive Technologies' mini-sensors are small and can be easily mounted onto water pipes even in hard-to-reach locations. Sensors collect and aggregate temperature data at 15-minute intervals.

Sensors connect securely through Cloud Connectors with built-in cellular M2M and Ethernet and stream data through open APIs into any analytics platform. The Cloud Connectors relay traffic between all sensors in range and the Disruptive Technologies Cloud without the need for any user configuration or intervention.

Disruptive Technologies provides the secure sensor-to-cloud solution, while our partners provide the final application software and services. Disruptive partners are highly skilled teams of experts that provide all levels of support throughout the entire installation, configuration, and analysis process.

Why Disruptive Sensors

First-generation sensors were bulky, complex and often inaccurate. We've completely rethought sensor design to enable data collection anywhere and everywhere. There's no need to "rip and replace" legacy systems to turn them into "smart" equipment.

- Mini-sensors are the size of a postage stamp
- Low power consumption = long battery life
- Direct connections provide maximum accuracy
- Supports next-gen internet of things (IoT) networks
- Industrial-grade connectivity and built-in redundancy
- End-to-end security built into the design
- Extensible platform to integrate into your systems
- Robust construction
- Cost efficient

A comparison matrix showing IoT sensor applications across different industries.

Columns:
- OFFICES & HOTELS
- POWER STATIONS & SUBSTATIONS
- FACTORIES & WAREHOUSES
- HOSPITALS
- SHOPS & SUPERMARKETS
- CAFÉS & RESTAURANTS

Rows:
- Ambient Temperature
- Asset Tracking
- Cold Storage
- Desk Allocation
- Door & Window Security
- Leak Detection
- Legionella Prevention
- Preventive Maintenance
- Remote monitoring
- Smart Cleaning
- Smart Response
- Smart Surveys
- Space Occupancy

Powered by:

DISRUPTIVE
TECHNOLOGIES