CellPoint
Fire Hydrant Monitoring

There are approximately 6 million fire hydrants in the United States according to the National Fire Protection Association (NFPA). Fire hydrants are vital for urban safety but face challenges stemming from improper maintenance. Issues like dry hydrants and frozen hydrants, as well as a lack of real-time information hinder their efficiency and create potential safety hazards. Current manual inspections contribute to delayed responses and increased downtime, limiting firefighting infrastructure efficiency. Monitoring pressure continuously at a fire hydrant is a valuable tool for optimizing maintenance and protecting the fire hydrant asset.

DataStream's CellPoint Fire Hydrant Monitoring device, a revolutionary solution poised to transform fire hydrant monitoring. In the realm of urban safety, this standalone cellular device stands out by seamlessly integrating data logging and telemetry functionalities. It consolidates pressure sensor readings, logging data at hourly intervals, while its continuous monitoring capabilities ensure real-time awareness. The CellPoint goes beyond conventional monitoring by recording readings and scrutinizing pressure values at 5-minute intervals.

Notably, if pressure drops below predefined thresholds for an extended period, the device intensifies its sampling to 1-minute intervals, showcasing a remarkable sensitivity to pressure fluctuations. This innovative approach ensures that potential issues, especially those rendering fire hydrants non-operational, trigger immediate alerts within minutes of detection. The CellPoint's capability to log pressure data across key nodes, coupled with daily in-depth data analysis, empowers utility companies to elevate service standards and optimize overall infrastructure efficiency. This sophisticated tool marks a significant advancement in smart fire hydrant management, promising a new era of reliability and responsiveness in urban firefighting infrastructure.

Our unique CellPoint Fire Hydrant Monitoring Device elevates firefighting efficiency, optimize preventive maintenance, and ensure unparalleled operational efficiency with CellPoint - a sophisticated tool for smart fire hydrant management. Evolving alongside changing needs, it sets a new standard for reliability and resilience in modern smart cities.

Key Features

- Real-time Monitoring - 5-minute interval pressure sampling, escalating to 1-min intervals.
- Real-time alert notifications are distributed to operational teams.
- Ease of installation, supported by a mobile app.
- User defined hi/lo thresholds for event alerting.
- Installable at a hot-tap, or meter vault placement.
- No external power required - field replaceable battery.
- DataSense portal provides event reporting, trend analysis, networks reception data and GIS information.

DataStream IoT