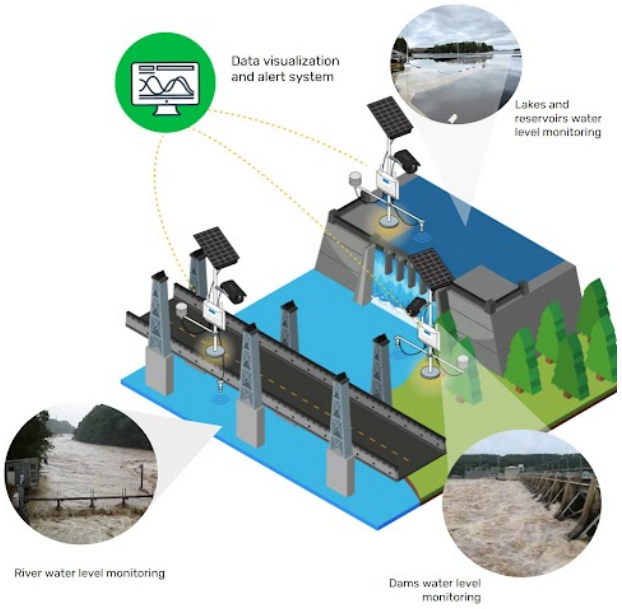
Worldsensing launches a new Flood Monitoring System

Barcelona, Spain, 5th October 2023



Disasters due to climate change are increasing in frequency and posing a global risk for civil infrastructure and the communities allocated nearby. Beyond the vital impact of these environmental events, the economic cost associated with such tragedies is escalating, further underscoring the urgent need for proactive mitigation measures and adaptation strategies.

The current public regulations and corporate ESG strategies are becoming increasingly stringent and are forcing regulators and infrastructure owners to be careful about risk prevention. Also, the destruction of homes and infrastructures represents a social and governmental cost, which makes it important for public institutions to be involved in the monitoring of damaged and at risk areas.

Engineering consultants and monitoring experts are in need of an all-in-one flood monitoring system that integrates a comprehensive suite of tools and technologies, enabling a more efficient and coordinated response to flood events.

A complete end-to-end system, from multiple data gathering to data management and visualisation

Worldsensing collaborates with world leader technology providers and integrators to launch a remote monitoring system that offers a centralised connect-and-collect platform for automatic water monitoring for flooding control. Since all sensors, data and networks can be managed from a single platform hardware derived costs are minimised.

The complete system offers the possibility to set alerts and receive notifications when thresholds are reached. These capabilities will allow data-based decisions to be taken faster due to the continuous flow of accurate data and the integration of different parameters into a converged software system.

Enhanced monitoring capabilities for diverse water scenarios

The Worldsensing Flood Monitoring system can integrate the top-class sensors for water management and flood monitoring. This highest compatibility of sensors supports a variety of data coming from weather stations to water level sensors, temperature and humidity sensors or field cameras.

Besides data from monitoring instrumentation, the connectivity capabilities of ThreadX3 enable a simplified system deployment and offer robust and continuous monitoring in a fully autonomous station covering multiple modes of communication, including mesh and ethernet.

Enhanced flood monitoring is an intersection of several essential requirements, including improved efficiency, result accuracy, and the ability to respond quickly to warning signals. Worldsensing and its partners have developed a technology system to comprehensively address water management monitoring requirements across a range of scenarios. This involves, among others, rapid changes in river flow rates, challenges related to terrain instabilities in lakes, which can elevate the risk of flooding, or dams and water reservoirs which are essential components of water management.

Worldsensing's customers and integrators can now provide a data-driven strategy with immediate reaction for a better risk management of the unexpected and sometimes brutal effects of climate change events, thus contributing to prevent impact on communities and to protect infrastructure.

About Worldsensing

Worldsensing is a global IoT pioneer. Founded in 2008, the infrastructure monitoring expert serves customers in more than 70 countries, with a network of global partners to jointly drive safety in mining, construction, rail and structural health.
Worldsensing is headquartered in Barcelona and has a local presence in the UK, North and South America, Singapore, Australia and Poland. Investors include Cisco Systems, McRock Capital, ETF, Kibo Ventures, JME Ventures and Bentley Systems.

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