

ThingPark IoT Solutions



Water Level and Tank Monitoring

The turnkey IoT solution to monitor liquid levels in tanks and rivers to prevent flooding.

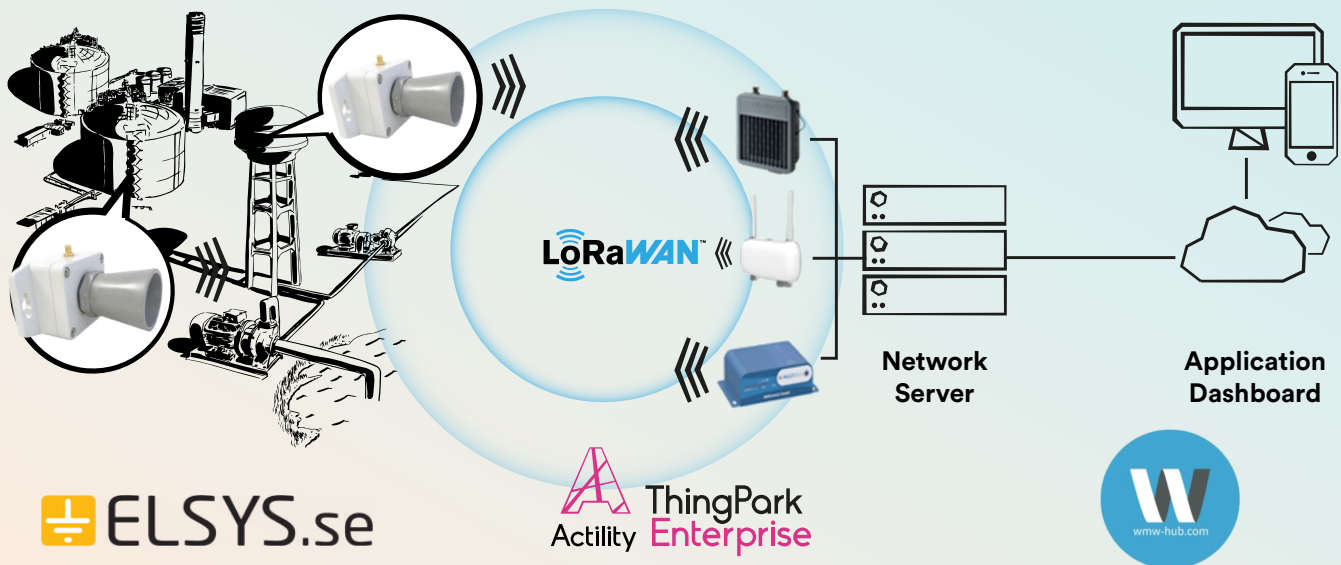
We use water tanks in many industries, from oil and gas to agriculture. Engineers are worried that they don't know how much water is in their tanks, to maintain control of their operations. Environmental agencies and local flood authorities are frustrated by the fact that they don't have a solution to predict water floods.

The **Activity IoT starter kit** provides you with the required hardware and software to assess a water level and tank monitoring solution.

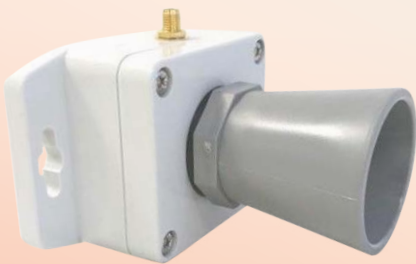


Activity

Avoid flooding or shortages by monitoring water and liquids levels by using an automated solution:



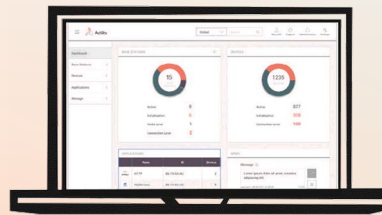
Elsys ELT Ultrasonic



Description:

Enclosed in an IP67 box and designed to be mounted outside, ELT Ultrasonic is the ideal wireless sensor for measuring in advanced places or extreme weather conditions and has the capacity of measuring distance with a remarkably long range. Distance report is leveraged by temperature, humidity, and atmospheric pressure data.

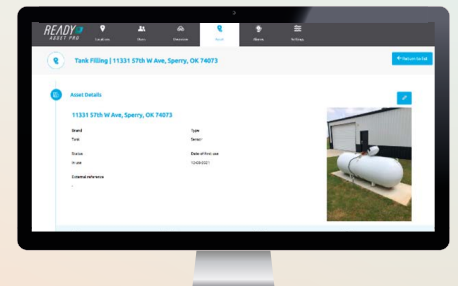
ThingPark Enterprise LoRaWAN® connectivity infrastructure by Activity



Description:

Dependable connectivity infrastructure with a proficient UX to easily build a LoRaWAN® network, Cloud-based or On Premises, using pre-integrated high-end Base Stations & an advanced Activity Network Server with dashboards providing key operational insights on the network & alarm management.

WMW Hub Application for data processing and analysis



Description:

Intuitive web and mobile application with all the essential built-in features to monitor water and liquid levels, with real-time message updates. The application can be combined with additional +180 different ones to create a full industrial monitoring suite.



Identify water and liquids excess or shortages with accurate and repeatable distance measurement.



Act quickly when preset levels are out of range and achieve global cost savings with an easy-to-install solution.



Keep track of logs and access to data history, define and measure service targets to be achieved using key performance indicators (KPI).



Key features:



Actionable Dashboard with Instant Alerts: Real-time monitoring, measuring, recording, and alerting on temperature readings, with meaningful insights to make data-driven decisions.



Flexibility and process autonomy: The application allows visualizing, editing and adding customized notification conditions and rules for immediate data processing. Set sensor reading threshold and configure alert settings as per your business requirements.



Low-Power: Leverage LoRaWAN® technology, optimize assets energy consumption and lower your operational costs.



Easy usage: Available as on-premises & cloud-based application. Manage your installation from one single application dashboard with easy accessibility, usability, management & control.



Data-driven management - Data is continuously ingested and analyzed to provide relevant reports and alerts, making sure to drive your maintenance operations based on data.

Use cases:

This end-to-end IoT-based water level and tank monitoring solution provides automatic detection of liquid levels from differently sized tanks or storage containers. It is a system specially designed to inform the users about the real status of the liquid levels. It is designed to benefit the industrialists with IoT technology and improve the overall business productivity. It provides real-time autonomous detection of water levels and takes appropriate action based on the levels including overflowing, water depletion, and water usage.



Build your IoT Solution with us!

Get your starter kit on ThingPark Market, or contact Actility to learn more

