ISTEC

Early Warning System

ISTEC is No.1

Smart Water Management platform company

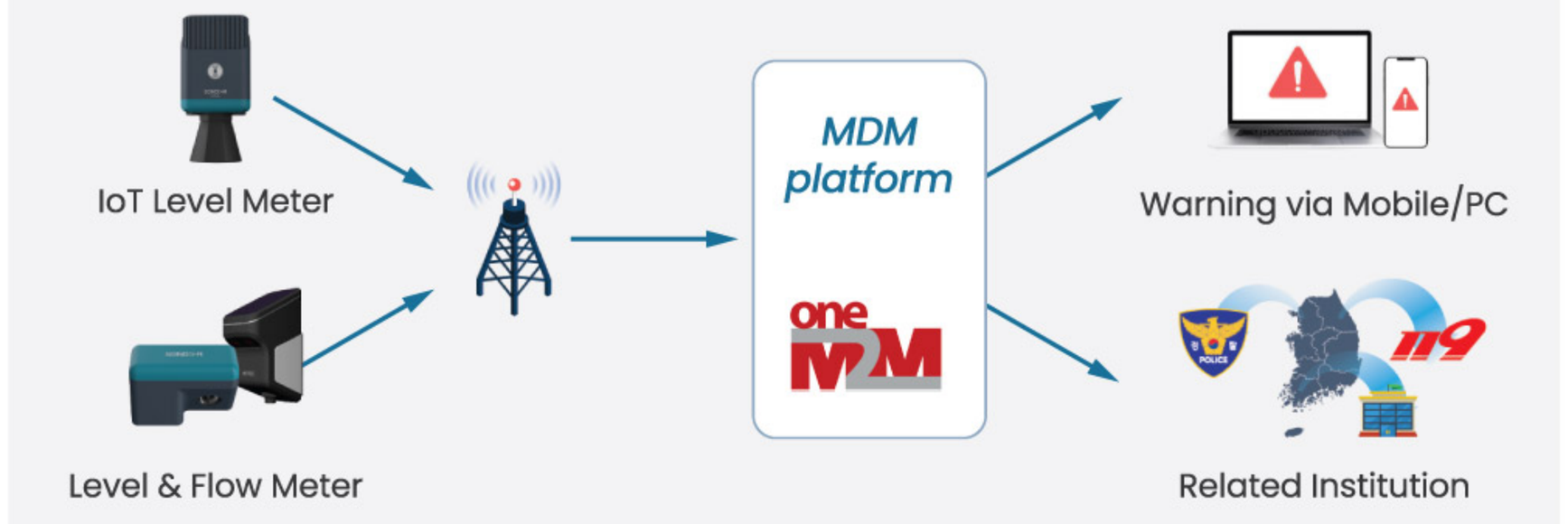
Early Warning System

The world is suffering serious damages from floods and heavy rains caused by abnormal weather. Therefore, measuring and monitoring water level and flow became important to reduce disaster risk.
Based on our sensor technology and monitoring experience, we developed early warning system(EWS) helping communities and people to prepare for water-related disasters.

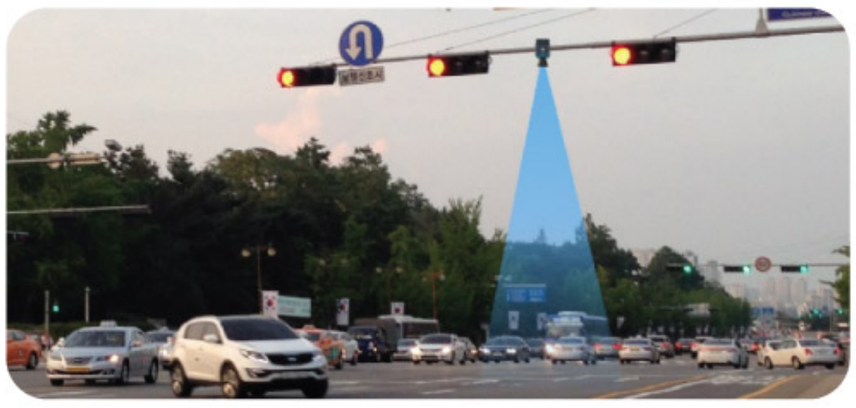
ISTEC | 30 years in sensor technology + 20 years in monitoring system

EWS Overview

Measuring water level, flood depth, flow velocity	*Monitoring, Analysis, Forecasting*	*Warning dissemination*

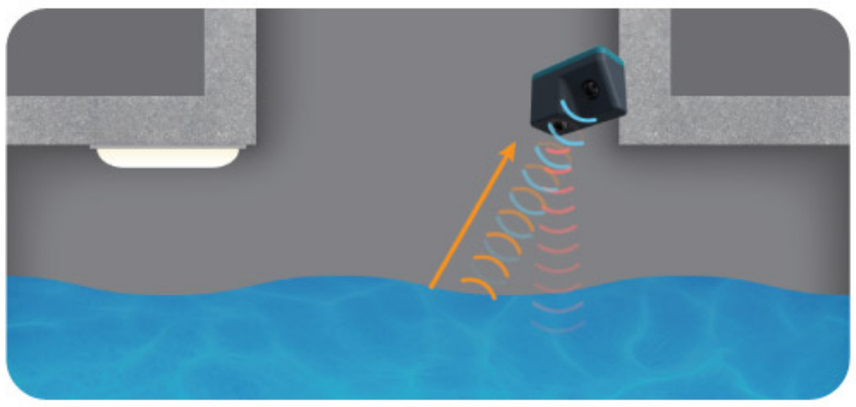


Main Application

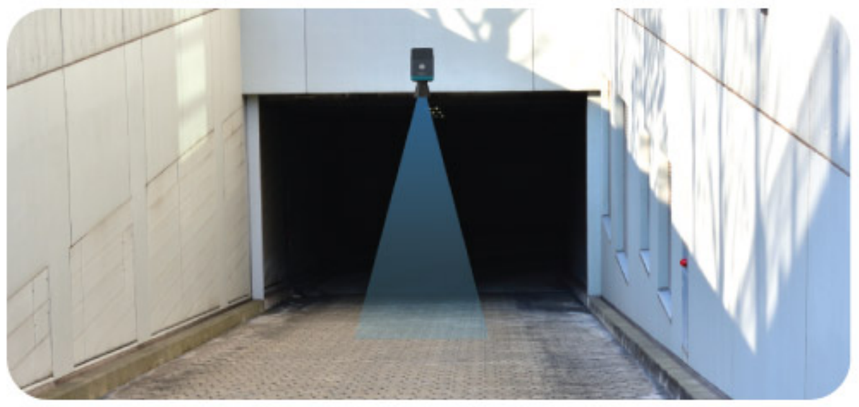


Urban flood depth

Smart rivers



Manholes



Underpass / underground parking lots

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IoT LEVEL & FLOW METER (specifications)

Based on our 30 years experience in sensor technology, newly developed meters have high accuracy, durability, and efficiency. New IoT Level & Flow Meters can be used throughout the city due to the easy installment anywhere and reasonable price.

Easy installment ------ **High performance** ------ **Reasonable price**

IoT Ultrasonic Level Meter

▶ Equipped with **IoT communication/NFC**

Release in 2024

Optimal Level measuring

- Measuring based on Ultrasound
- Measuring distance : by 6m
- Optimum signal processing for ultrasound : suppression of acoustic noise

Low power tech : Long battery life (over 5 years)

Wireless communication : CaT.M1

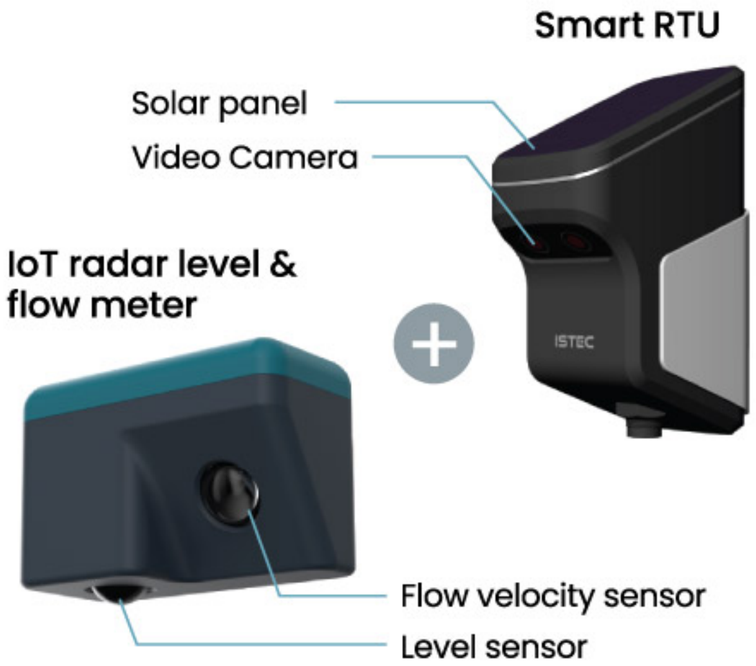
Key function : Data logging (Max. 1month)
Self-recovery function
Remaining Battery Check

Waterproof : IP 67

Dimension : 160 x 66 x 60mm

IoT Radar Level & Flow Meter

▶ **Connection to Smart RTU** for data transmission and energy use



Release in 2024

Radar Meter : Level & Flow velocity

- Measuring distance : by 20m
- Flow velocity : 0.1 ~ 25m/s

Smart RTU: Low power tech

- Equipped with video camera
- Battery : Less than 2mW(dependent on update rate)
  5 years battery life
- Possible to use solar panel : longer lifespan
- Wirless communication: CaT.M1

Waterproof : IP 67

**Tentative product images and specifications*

ISTEC

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