

# Wireless IoT Sensor Solution

Water Level Measurement

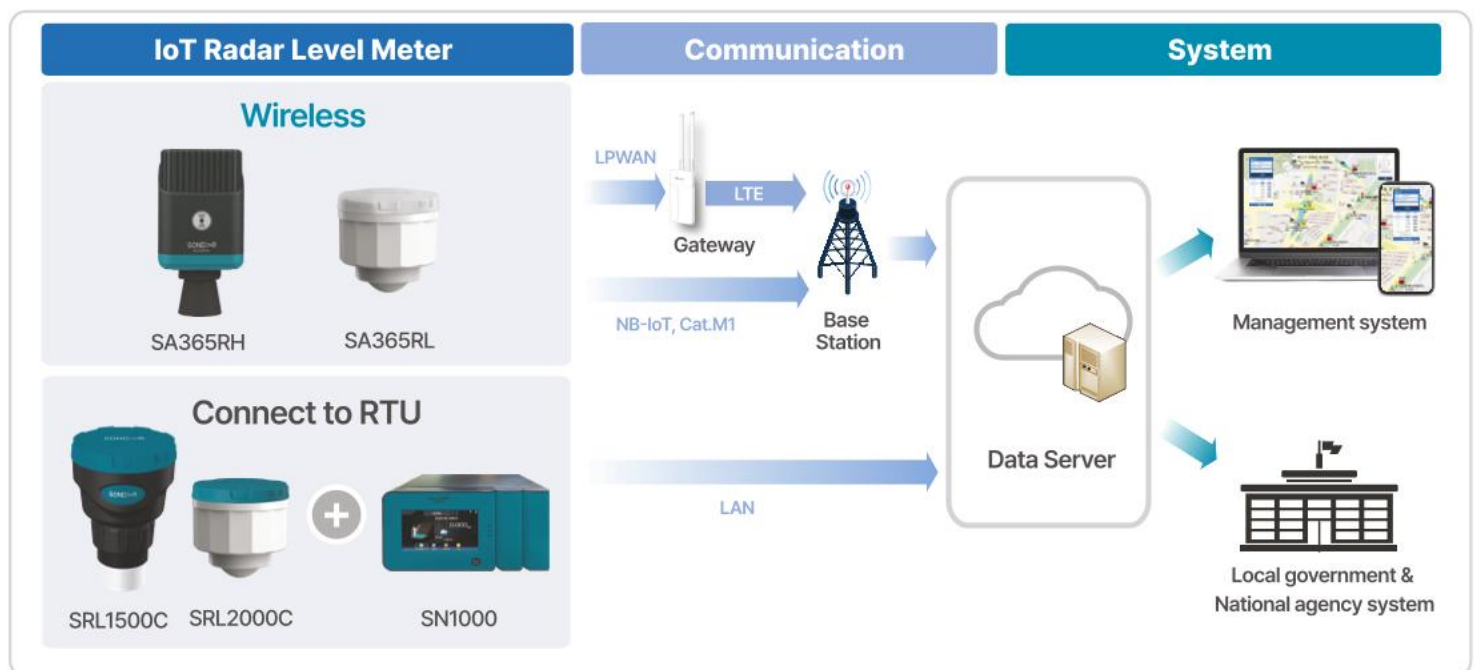
Sewer system · Small river · Urban flood depth



## ISTEC is a IoT sensor solution company

providing **Golden Hour Solutions** with IoT level meters and management system for saving human lives and social costs from water-related disasters such as urban floods and river overflow, etc.

### System Overview



### Applications

#### Sewer system



**Pilot test**  
in Seoul capital city

First **Wireless** radar level meter in Korea installed and operated from June 2024



#### Urban flood depth



#### Small river level



#### Underground facilities



# SOND>R Air

**WIRELESS IoT Level** series  
for golden hour solutions

## New Radar Level Meter



SA365RH



SA365RL



### All-in-1

Sensor, battery, communication are all installed in the compact size



### Simple installation & maintenance

No line construction, Install anywhere



### Remote setting for sensing/transmission interval

Short cycle only during heavy rains (once per 30sec)



## SAVE TIME & COST



**For frequent transmission & power**  
Connect IoT level meter to Smart RTU.

## Specifications

	IoT Radar Level Meter				Smart RTU
	Wireless		Connect to RTU		
Model	SA365RH	SA365RL	SRL1500C	SRL2000C	Model
Measuring range	0.2 ~ 15m	0.2 ~ 20m	0.2 ~ 15m	0.2 ~ 20m	Model
Beam angle	10°	6°	10°	6°	SN1000
Frequency	60GHz		60GHz		Display
Sensor material	PP		PVDF		Temperature
Temperature	-30°C ~ 70°C		-30°C ~ 70°C		Channel/relay
Communication	NB-IoT, Cat M1		4-20mA / RS-485		Input
Protection class	IP68		IP67	IP68	Material
					Power
					Output
					Transmission

\*Product design and specification can be changed.

# Installation Cases in areas vulnerable to flooding

Since 2005, ISTEK has been providing early warning solutions combining sensors and communication.

### Flood prone road (Sejong City)



### River level (Pocheon City)



### Flood prone area (Incheon City)



### Underpass level (Seoul City)



### River level (Incheon City)



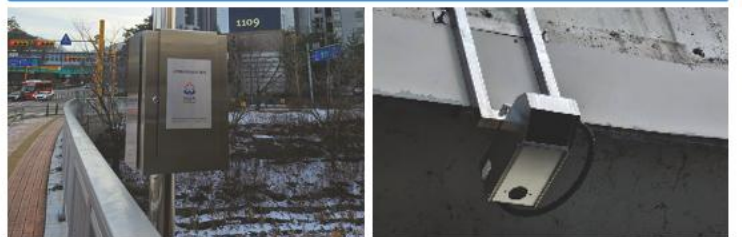
### Flood prone road (Yeongwal)



### Flood prone road (Asan City)



### River level / flow (Seongnam City)



**IS Technologies Co., Ltd.**

M-1602,1603, Songdo IT Center, 32, Songdogwahak-ro, Yeonsu-gu, Incheon, Republic of Korea

H. [www.istec.co.kr](http://www.istec.co.kr) T. 032-850-2600 E. [wm\\_sales@istec.co.kr](mailto:wm_sales@istec.co.kr)