

Wireless Sensor

For Geotechnical Engineering

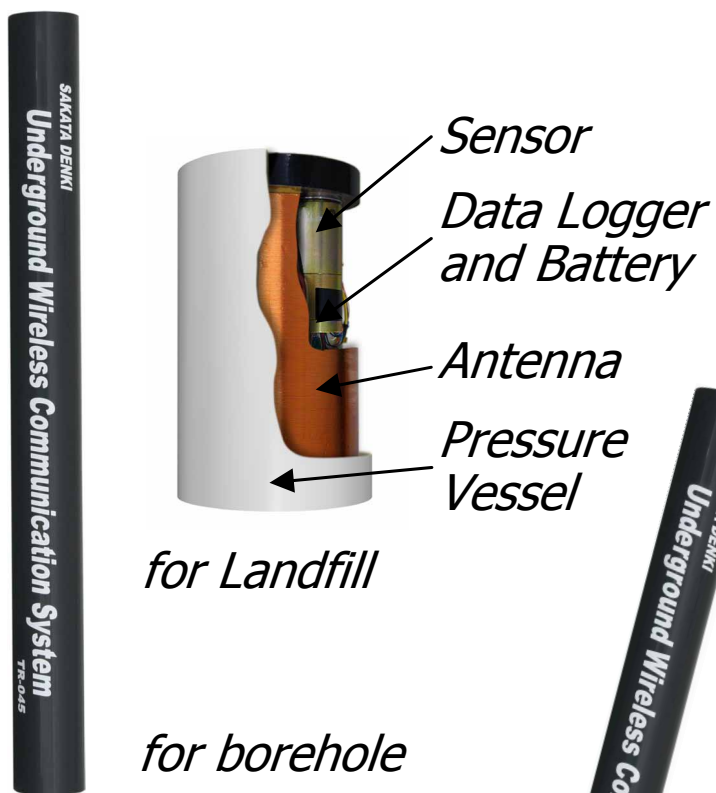
Underground Wireless Communication Technology

Sakata Denki has been developing and selling a wide variety of sensors and monitoring systems for geotechnical engineering and environmental engineering since 1952.

We have original products using unique new technology.

They are Wireless Sensors with the Underground Wireless Communication Technology.

We will give you high reliability and great convenience.



for Landfill

for borehole

Pore Water Pressure Cell



Earth Pressure Cell



for Landfill



for borehole

Inclinometer



Settlement meter



Receiver (Portable type)



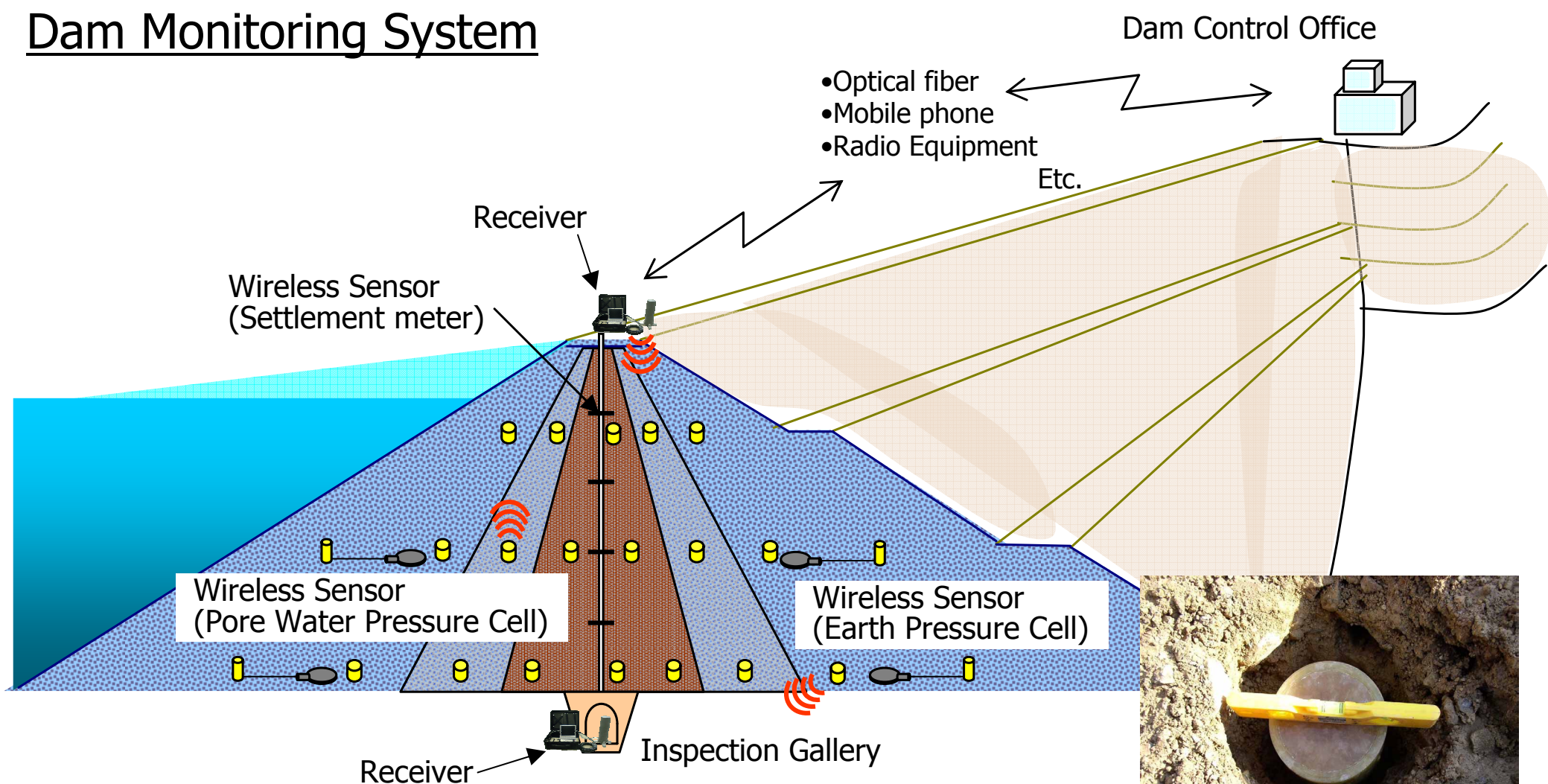
Transmission Unit

Receiving Unit

Subsidence measurement system of the sea bottom

Applications

Dam Monitoring System



Merit of Wireless Sensors.

- Perfect cut-off of water
- No weak point
- No influence of lightning
- Avoid to missing data due to a cable damage
- Low placement cost
- No cable cost

Photo: Installation of sensor

Settlement Measurement

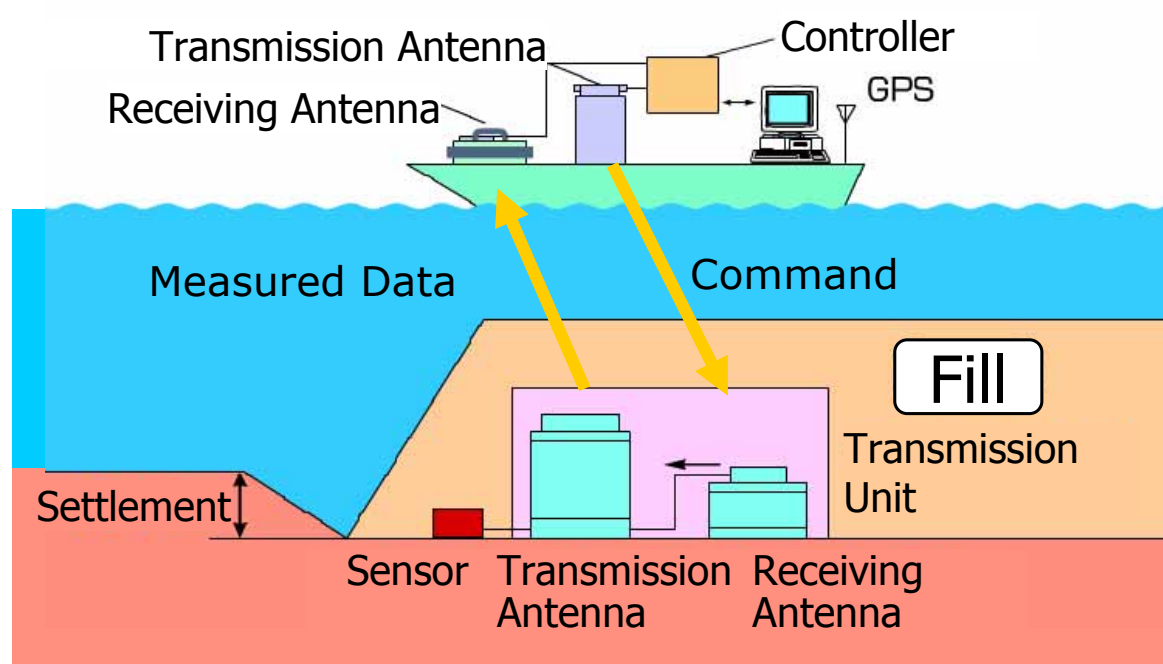
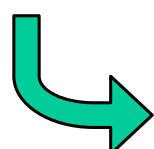


Photo: Installation of sensor

Settlement plate → Block the dredger passage
 Cable → The cable is broken down



These problems are solved by this system.