



# Suido Technical Service Co., Ltd. (STS)

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~Contribution to hidden leakage detection and NRW reduction~



## Outline

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1. Company profile

2. STS Core Businesses

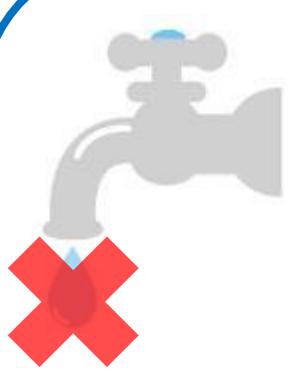
2-1. On-site Leakage Detection Survey

2-2. Technical Training

2-3. L-Chaser

2-4. High Performance Plastic Meter

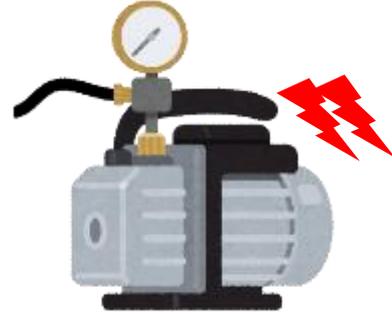
# Before introduction : Do you have such kind of problems?



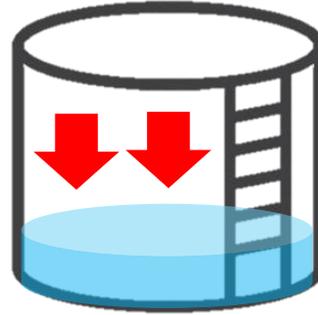
Supply Failure



Low Pressure



Busy Pumping



Reservoir level dropping



Wetness



Inflow from unknown origin



Cave-in

It may be caused by  
**Hidden Leakage**

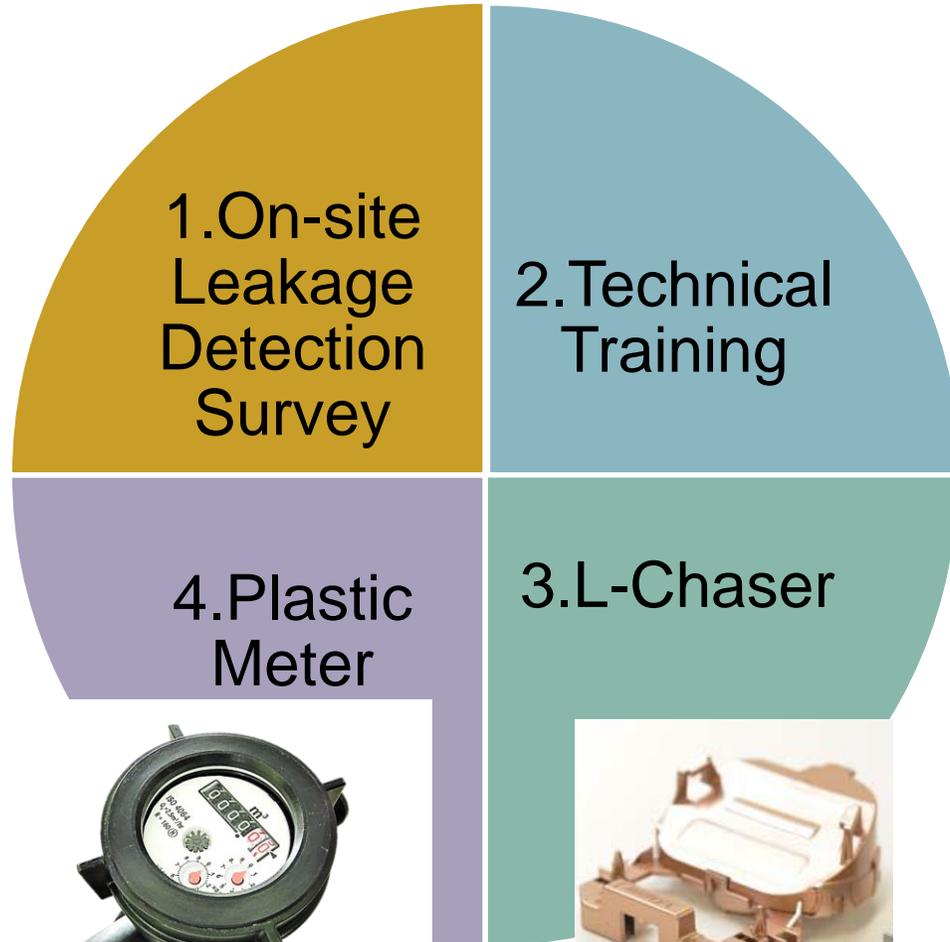


## 1. Suido Technical Service Co., Ltd. (STS) Company's Profile

- We are a unique company specialized in **hidden leakage detection** and related services for reducing NRW.
- **We have been committed to finding invisible leakage.** Our clients such as water supply utilities and big water consumers like factories, schools, suffer from invisible leakage. They ask us to find it and we try to complete the mission day by day.
- Our technologies and methodologies will be absolutely effective in your countries.



## 2. STS Core Business



**~ Total solution for NRW reduction based on finding hidden leakage ~**

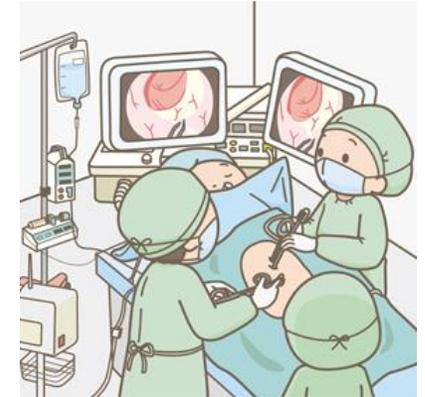
## 2-1. On-site Leakage Detection Survey

- Commitment to finding hidden leakage on site

### Diagnosis of pipeline by STS



### Detection and repair



## Detected leakage by STS experts

- Leakage causing supply failure over 1 year
- Detected by STS experts in 1 hour



- Leakage on transmission pipe



- Inflow far from leakage point



## 2-2. Technical Training

We can transfer our technologies and methodologies to you by human resource training.

Classroom Lecture

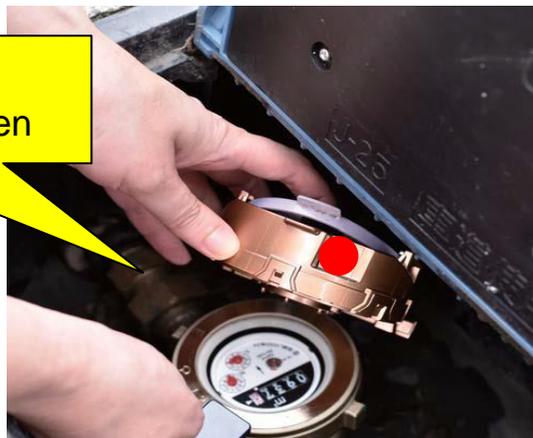
Field Training

Measurement  
Certificate



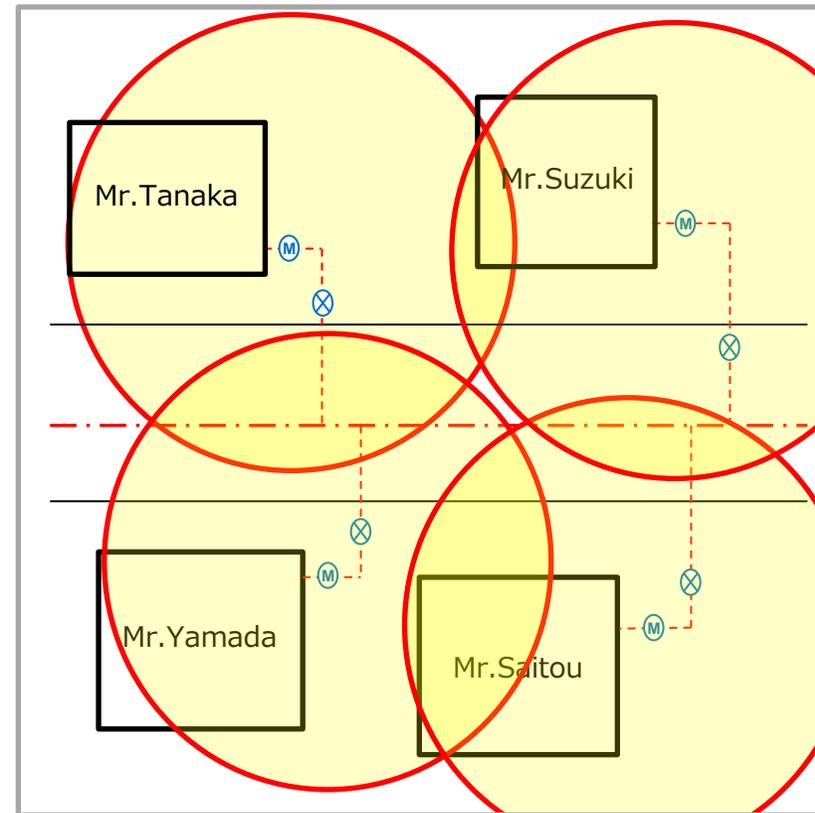
## 2-3. L-Chaser ~Leak Monitoring Devices~

L-Chaser is Leakage monitoring equipment developed by us. This device is installed to water meter and monitors leakage around. And once it finds suspicion of leakage, its LED will be blinking. This is easy to install and to identify leakage around.



**LED blinking**  
if leakage may be hidden

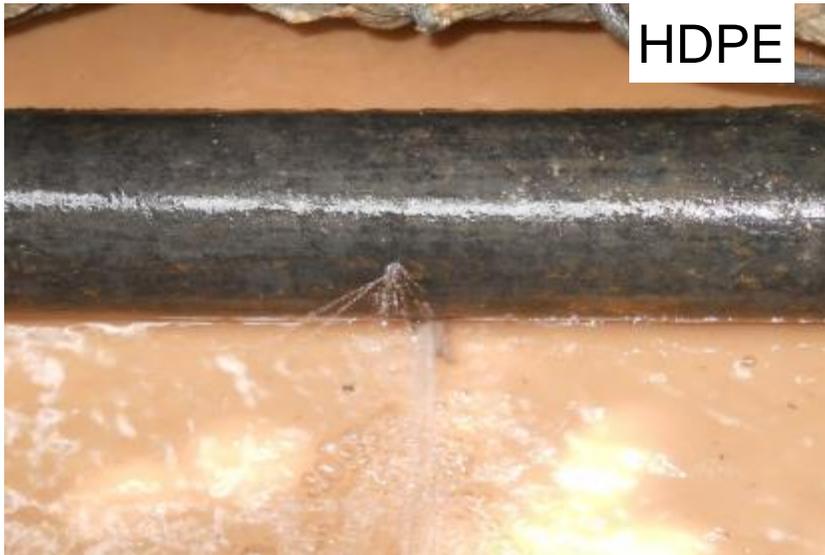
Application to household meters and monitoring leakage



(M) Water meter box

○ Monitoring area by L-Chaser

# Leakage noticed by L-chaser



## High Performance Plastic Meter (15mm, 20mm)

- 1/3 lighter than conventional products
- Excellent durability by super engineering plastic
- R=160(class C), high precision



Metrological Characteristics	TA15
Nominal meter size ; mm (inch)	15 (1/2)
Ratio Q3/Q1	160
Minimum flow rate Q1 ; m3/h	0.016
Transitional flow rate Q2 ; m3/h	0.025
Permanent flow rate Q3 ; m3/h	2.5
Over flow rate Q4 ; m3/h	3.13

External Dimensions	TA15 (1/2)
Length ; L (mm)	165
Height ; H1 (mm)	97
Height ; H2 (mm)	30
Width ; W (mm)	101
Screw standard ; D	G3/4
Weight (kg)	0.5
Shell thickness of main case (mm)	4



**STS**



**Thank you for your attention!**

Let's find hidden leakage and reduce NRW with us!

E-Mail [sato@suidou-tec.co.jp](mailto:sato@suidou-tec.co.jp)

HP <http://www.suidou-tec.co.jp/sts-e/>