



sommer
MESSTECHNIK

Flow monitoring with innovative Non-Contact sensor

**SQ-R
Flowmeter**

Mr. Luca Bovo

What is the SQ-R Flowmeter?



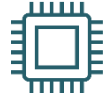
Non-contact sensor



No maintenance
or calibration

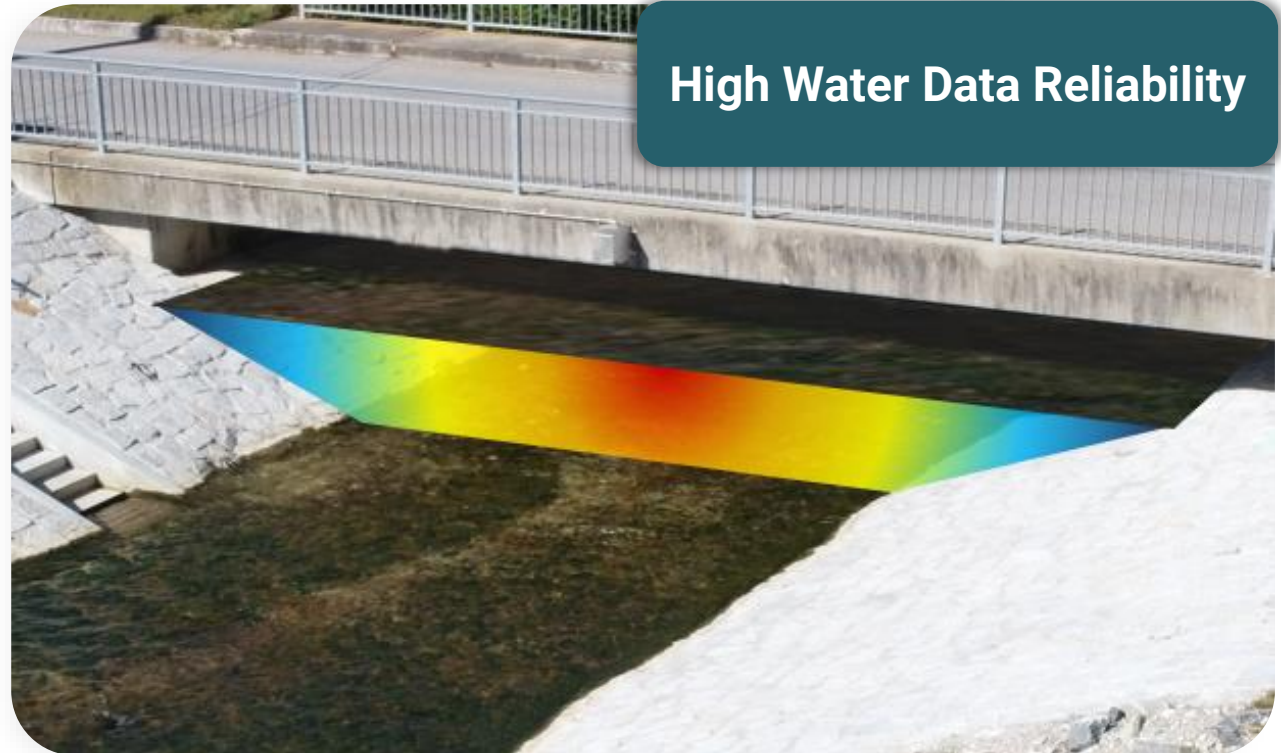


Turbidity do not
affect the measure



Dynamic Hydraulic
Model

High Water Data Reliability



The future of Non-Contact

Reliable Data
Flow

Non-Contact
Sensor

Maintenance
Free

Waterproof
IP68



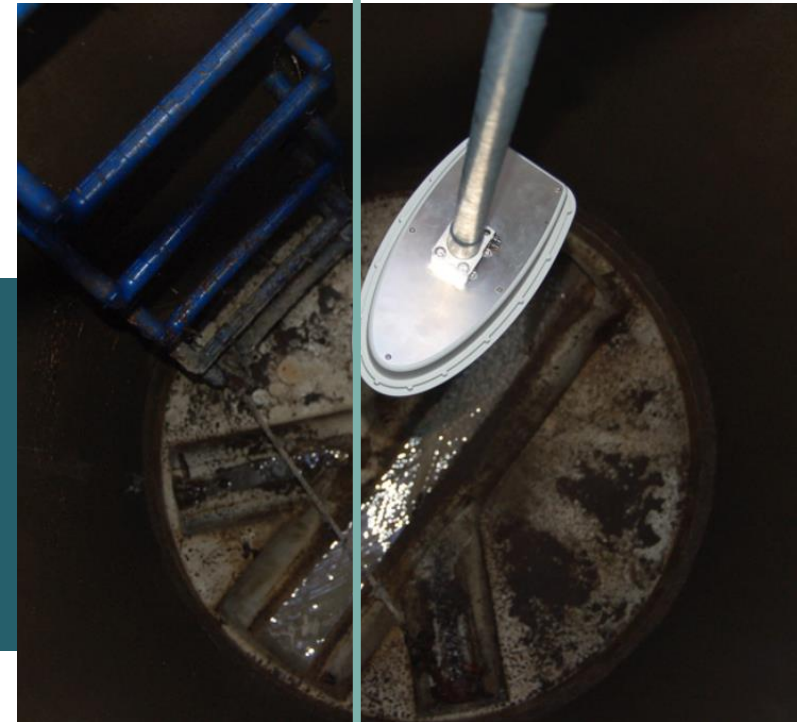
The future of Non-Contact

Data Quality
indicators

Automatic Self
Check

No minimum
flow

Ultra Low
Power
Consumption



SQ-R means Efficiency

**Improves Your
Water
Management**

**SMART Cities
& Security**

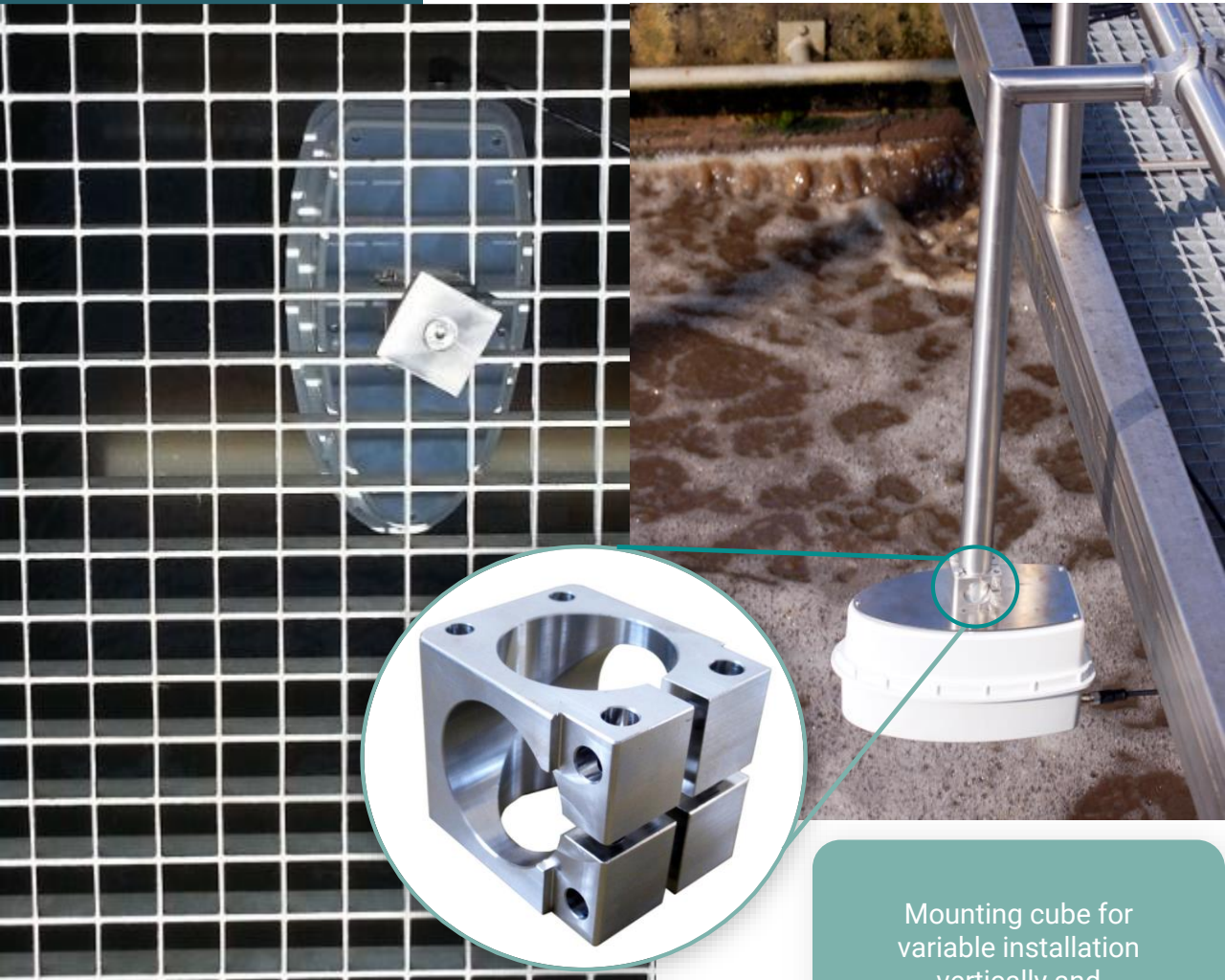
**No Additional
Cost after
Installation**

**Better & Fast
Decisions**



SQ-Radar Advantages

- 01** Easy and Fast Installation
- 02** No Structural Work needed
- 03** Super easy step by step software
- 04** Online support center



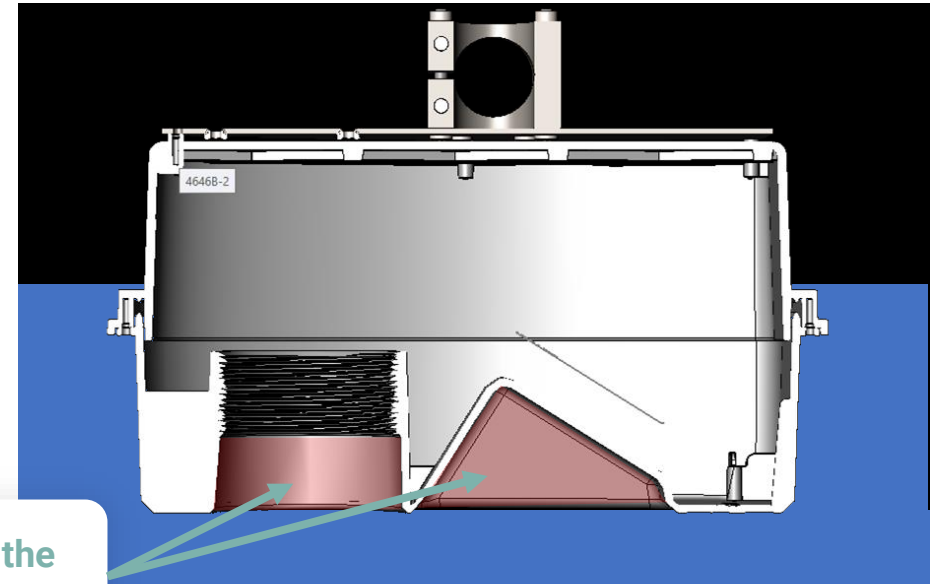
Mounting cube for
variable installation
vertically and
horizontally included

SQ-Radar Advantages

**Extreme
Resistant
Material**

**Seawater
and gas
resistant**

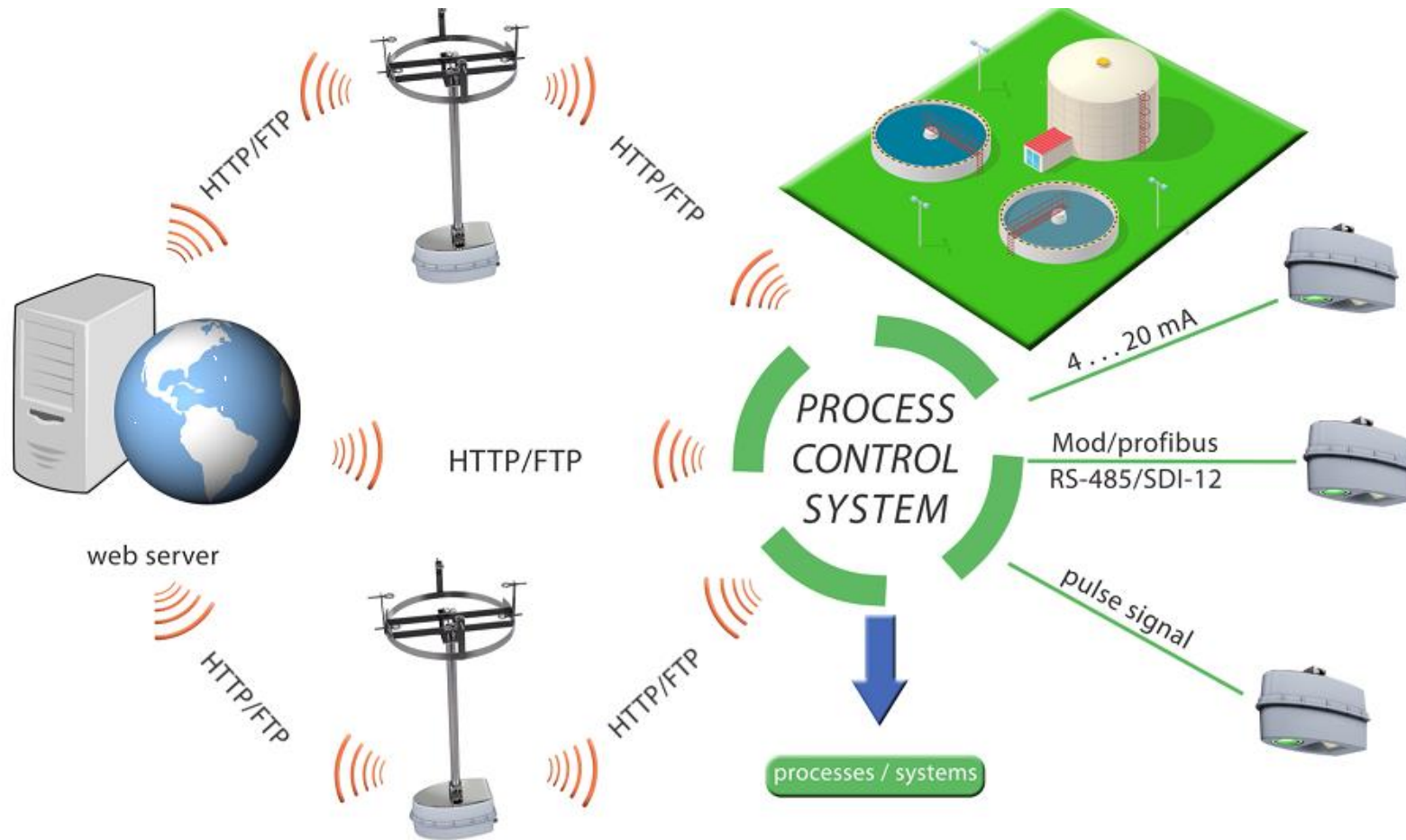
**Waterproof
housing IP
68**



**Air pockets to keep the
sensor areas clean**

SQ-R means Flexibility

Easy integration into ANY system with standard output !



SQ-R Monitoring Stations

With data logger MRL:



Possible to intergrade different sensors like

- Meteorological sensor
- Water Quality, pH, Conductivity, Turbidity ... and others



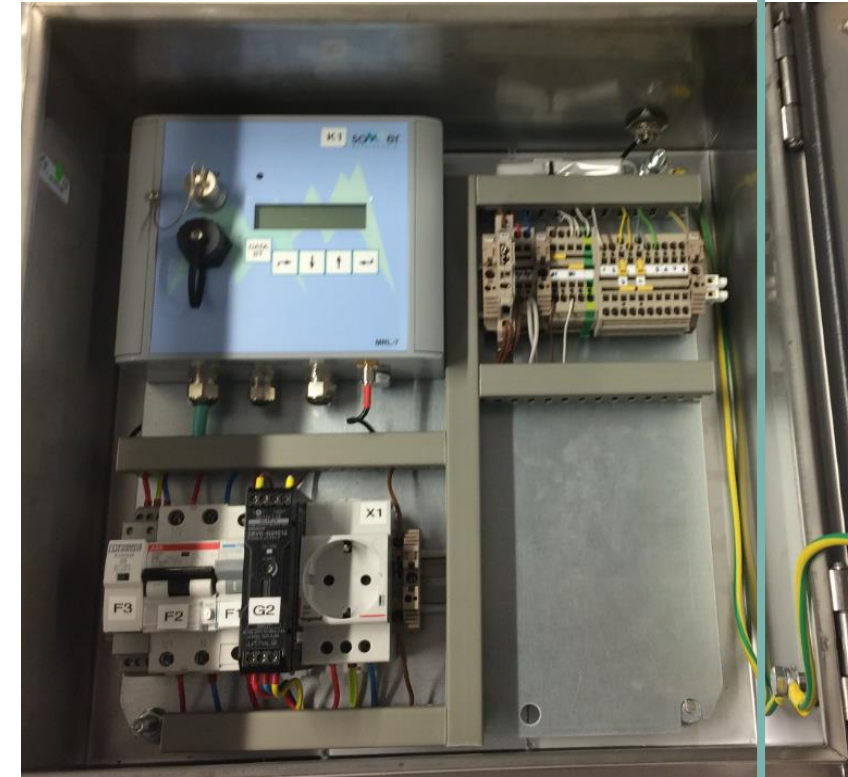
Camera



Stainless steel and fiberglass enclosure (sea water resistant)

High Flexibility

Complete Solution
Quantity & Quality



Some applications...

01 Water treatment plants

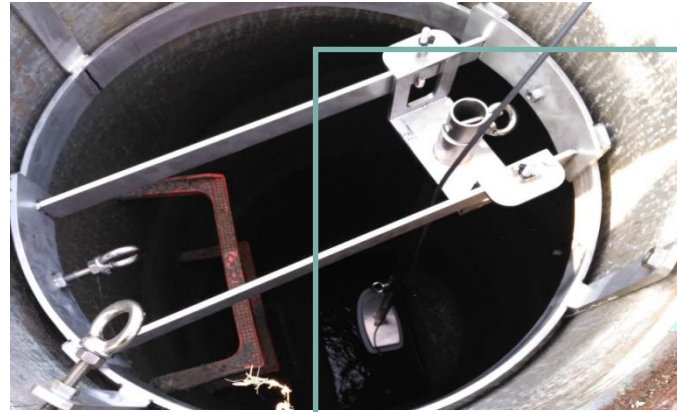
02 Industrial effluent

03 Sewage systems

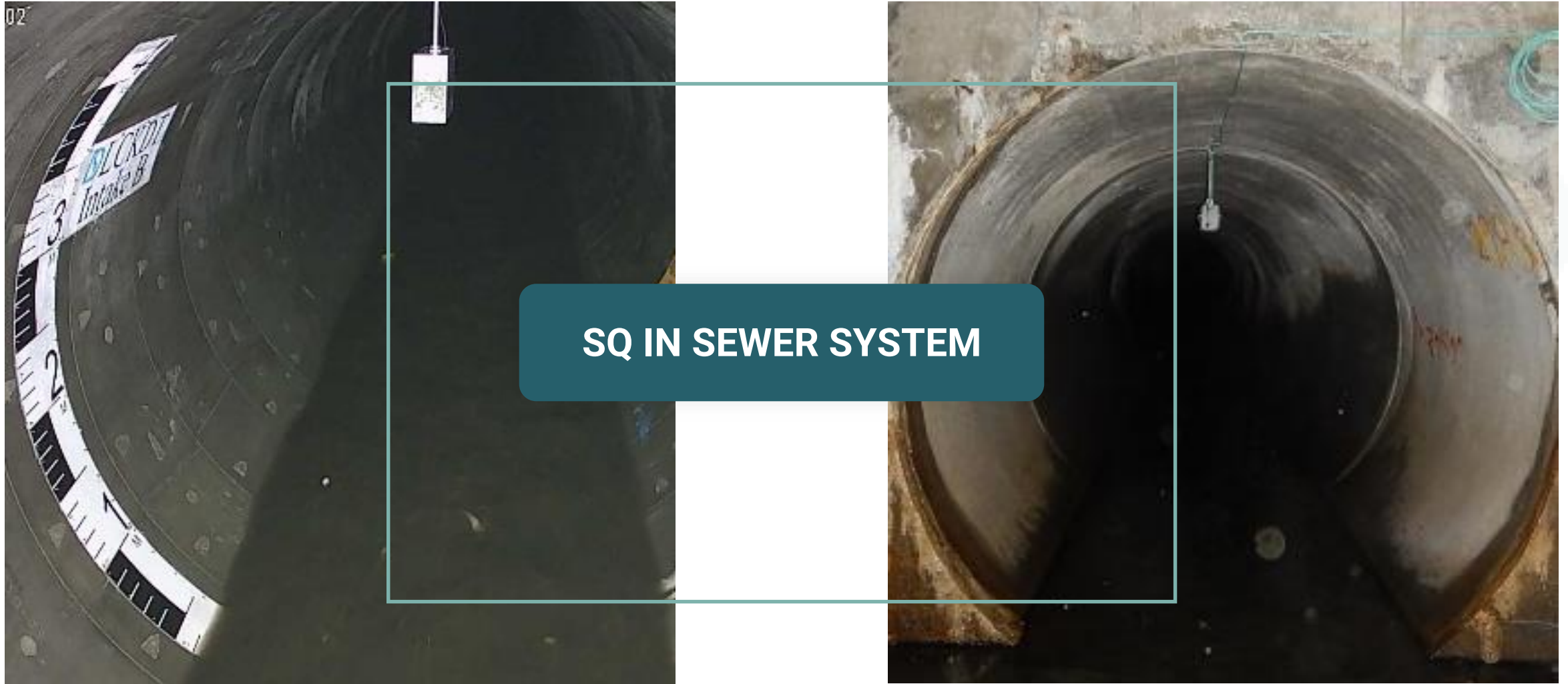
04 Irrigation canals

05 Stormwater canals

And many more...

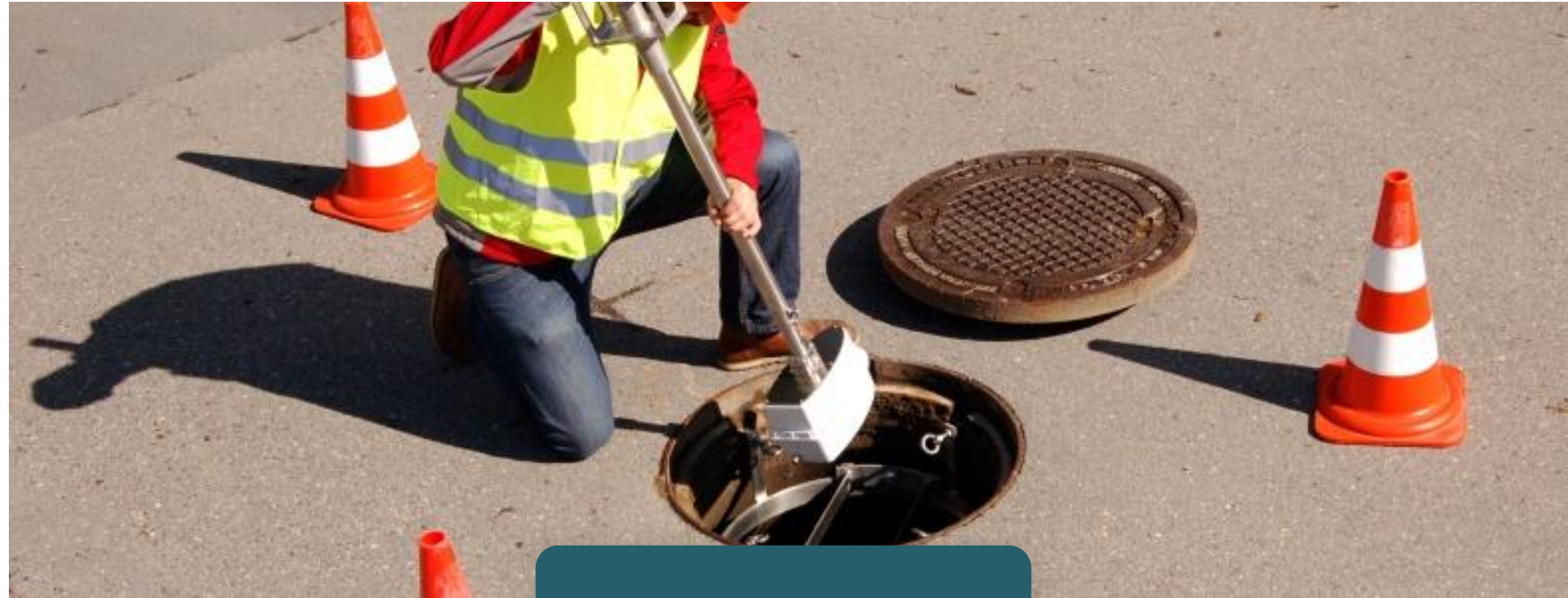


SQ in sewer systems



SQ-R in MANHOLE

Advantages with SOMMER Solution:



SQ IN MANHOLE

01

Installation without
entering the manhole

02

Costs of installation
and maintenance
Reduced

03

Easy installation
and fast



SEWAGE SYSTEM MONITORING



MRL-6

- Display
- Data Logging



OR

MRL-7

- Display
- Data Logging
- Data transmission



Battery pack

- 22 Ah
 - Lasts 10 weeks
- (with meas. interval 5 min; 4x data transfer per day)

Installation bracket for manholes

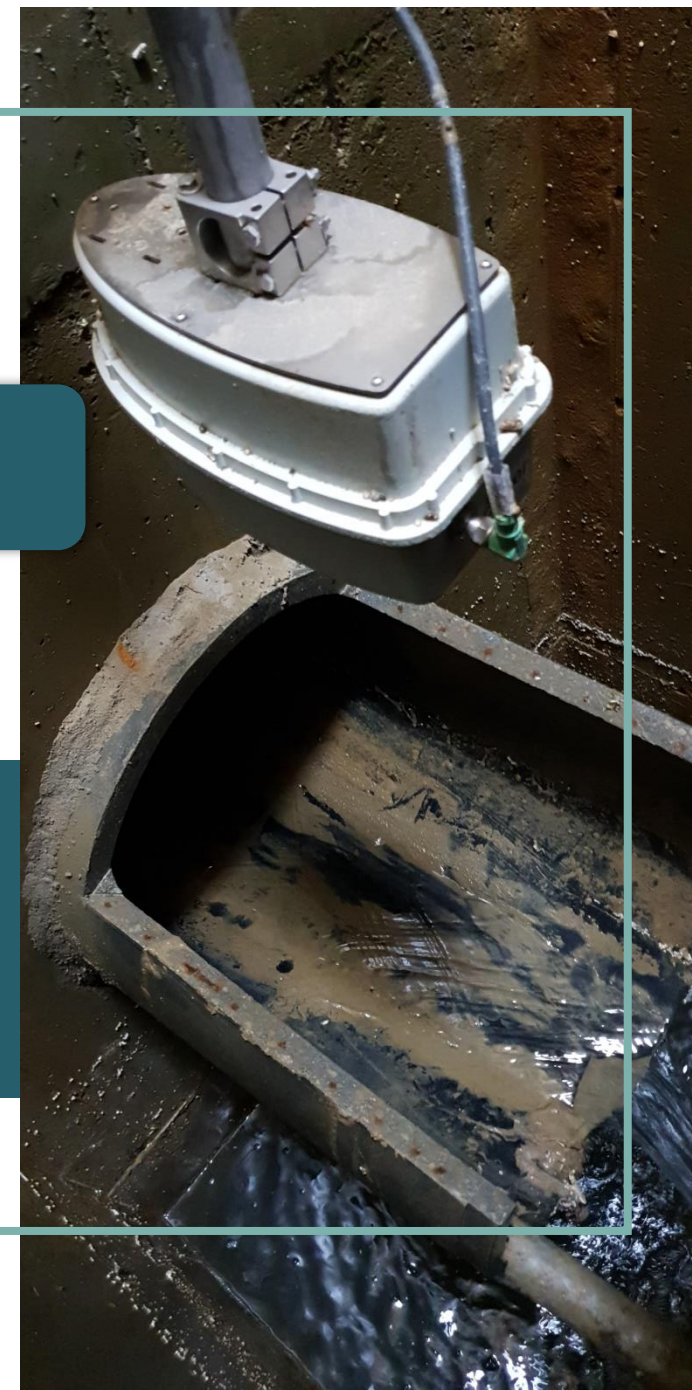


SQ IN MANHOLE

Options:

- Camera
- Solar Panel
- Bigger Battery packs available

Korea



Sewage systems...

Storm Waters...

USA



Storm Waters...

Colombia

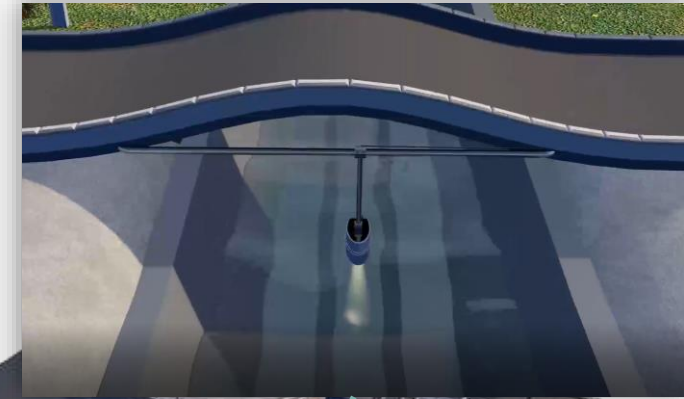


Japan



SQ-R In Open Channel

- 01 In or outlet industrial plants
- 02 Irrigation channels
- 03 No Limit in Channel Size
- 04 No Limit in Flow (min. or maximum)
- 05 Irregular section can be used



Irrigation Channels..

Central America



SQ-R

The Future Of Non-Contact

THANK YOU



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