



SCOREWATER



Göteborgs
Stad



Turbinator

A new turbidity and water level sensor

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City of Gothenburg

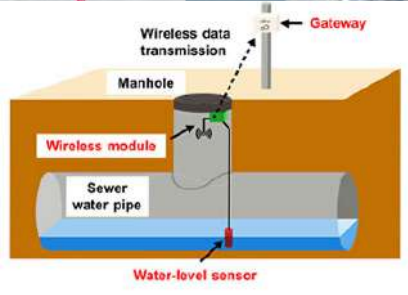
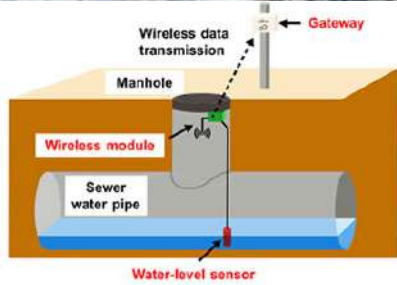
Sustainable Waste and Water - Kretslopp och vatten

Sweden

Challenges



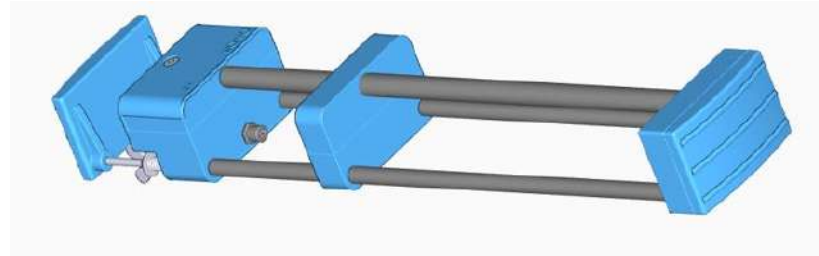
Needs



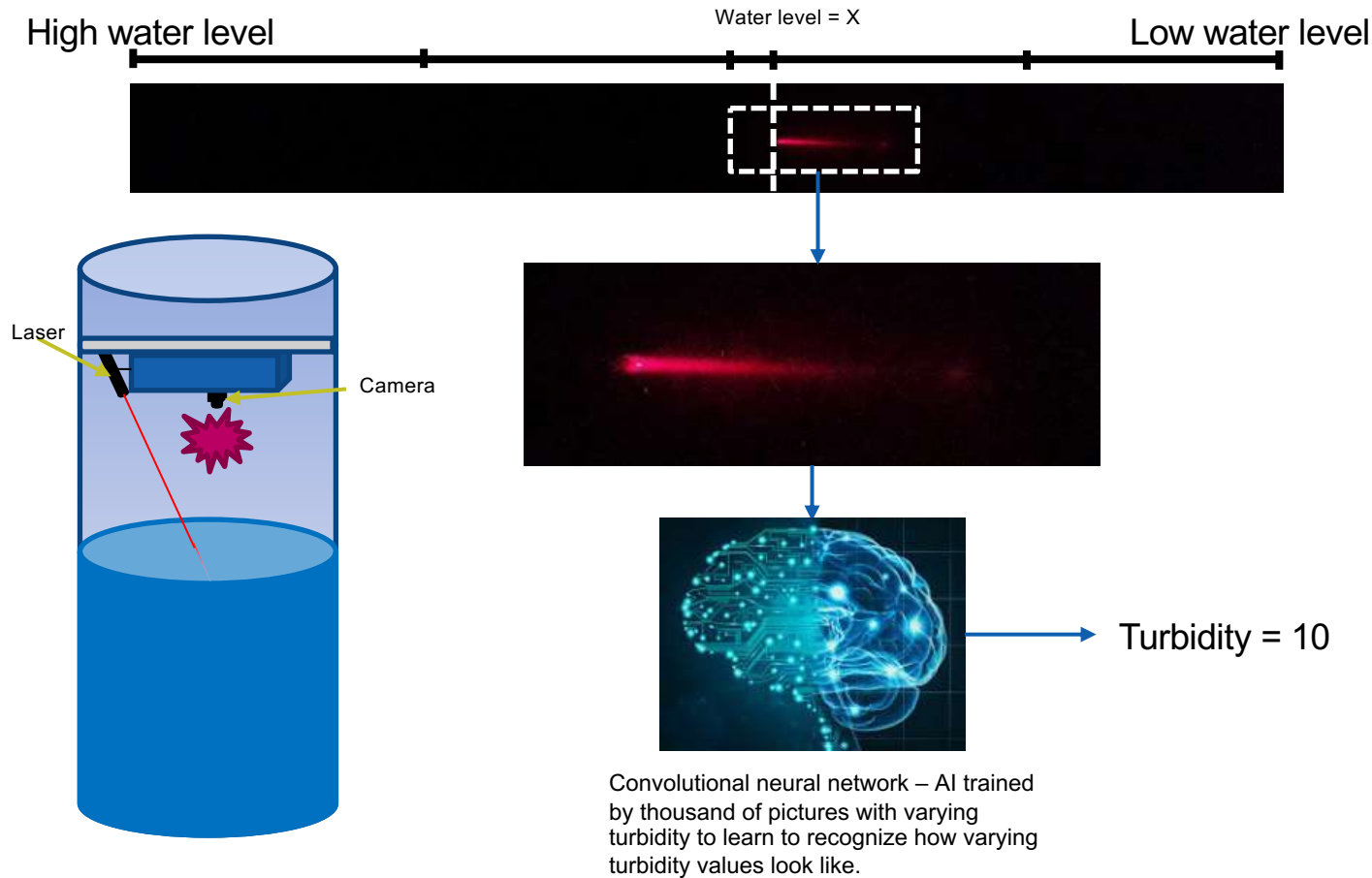
Digital solution

Turbinator – IVL development

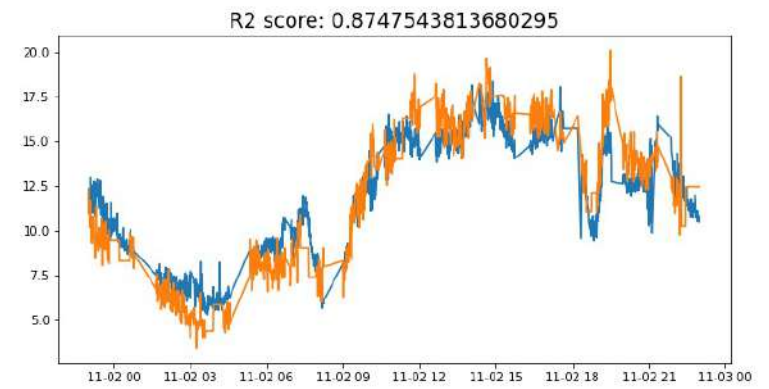
- measuring turbidity and water level
- based on image processing and machine learning algorithms



Digital solution – Turbinator step by step



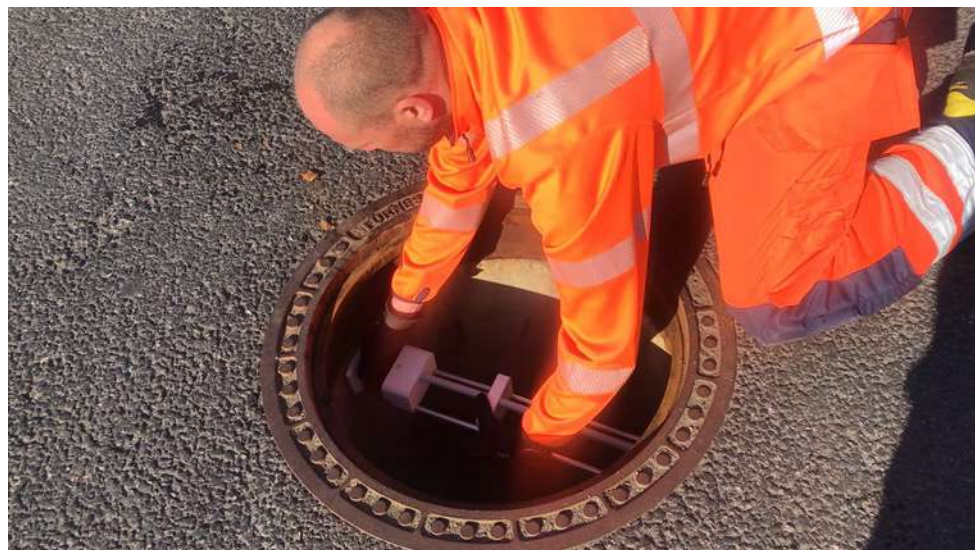
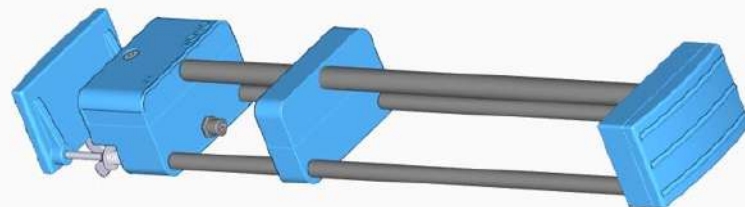
Digital solution – Turbidity measurements



Benefits

Turbinator

- affordable components, can be installed in many wells
- contactless and battery driven (3y battery time) minimum maintenance
- easy to install

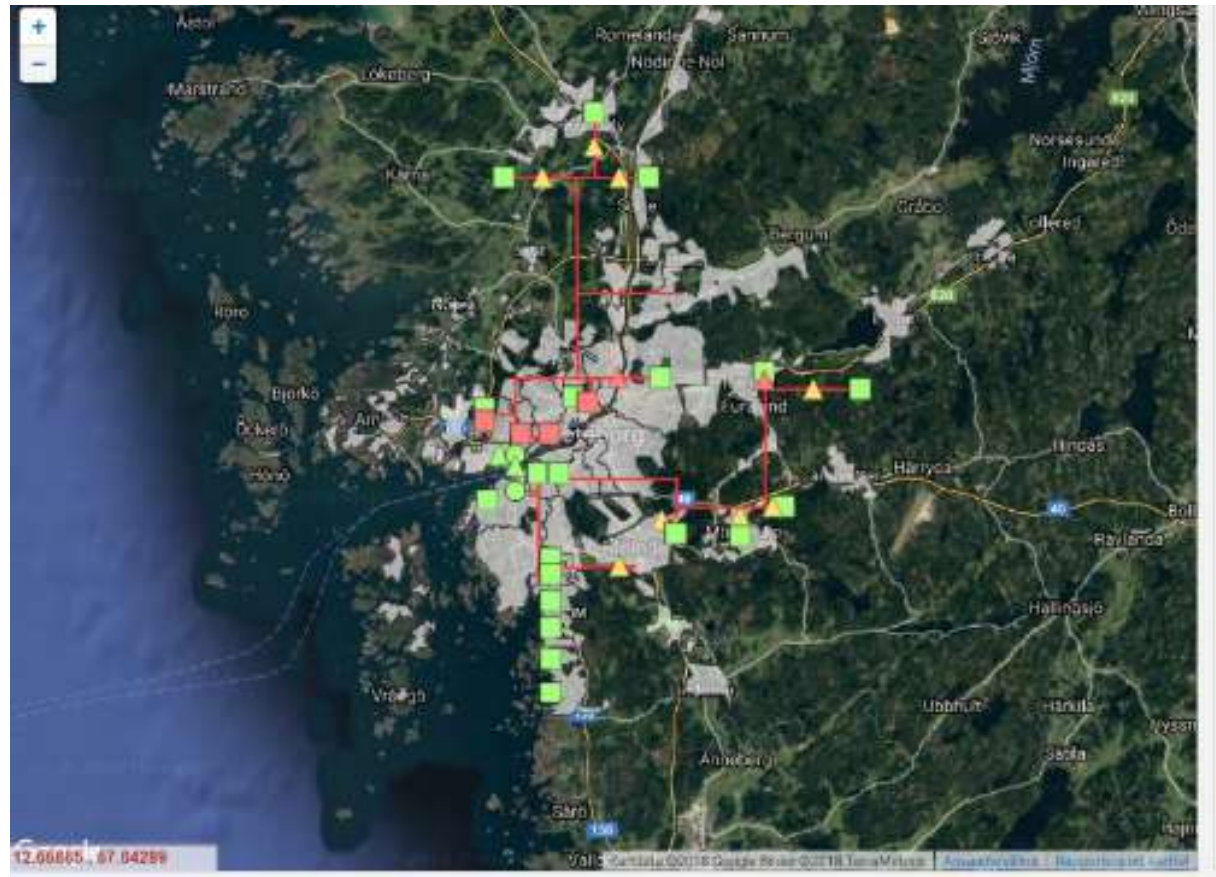


Challenges

- Turbinator seems to work on low turbidity ranges
- TSS vs turbidity – correlation analysis
- Turbinator in underground conditions vs surface conditions
- Validation and data in shared dataplattform

Vision

City of Gothenburg urban water map with real-time measurements at discharge points





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Thank you!



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