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Poster

GLOBAL FLOW MEASUREMENT WORKSHOP
measuring for the energy transition

HyMe - Reliable Metering for the Hydrogen Supply Chain

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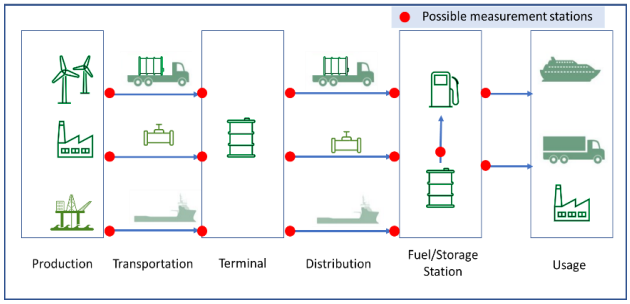
Objective

Develop knowledge, increase competence and establish methodologies that enables reliable and cost-efficient meters and measurement stations for hydrogen supply chains



Metering technologies

How do different metering technologies respond to H2?

- Technolocy mappping of flow meters and fluid analyzers
- Investigation of novel measurement techologies
- Experimental testing
- Uncertainty modelling

Measurement station concept

How to combine meters at measurement points along the supply chain?

- Supply chain mapping, Standards and Regulations
- Analysis of measurement station concepts for targeted supply chains
- Sensitivity and Uncertainty modelling
- Develop methodology/tool for design and analysis of metering stations

Traceability, verification, and diagnostic

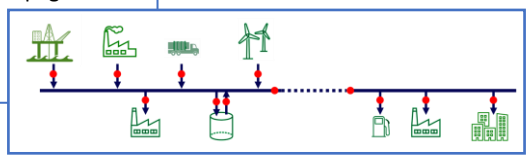
How to calibrate/prove meters along the supply chain?

- Traceability and meter diagnostics
- Meter calibration
- Calibration flow loops
- Calibration standards & reference fluids
- Uncertainty propagation models

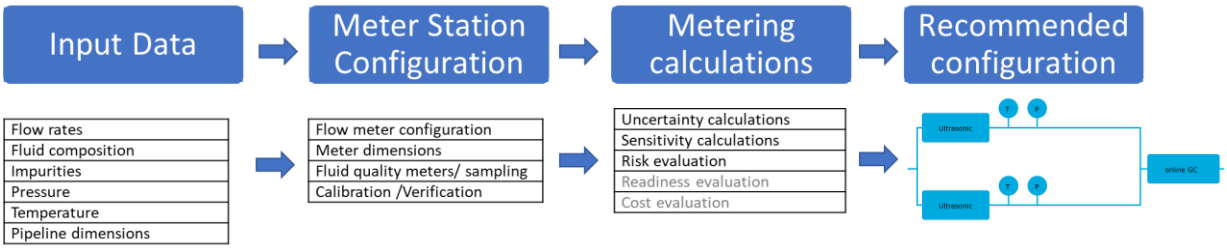
Supply chain losses and quality degradation

How to detect and quantify losses and quality degradation along the supply chain?

- Identify high risk nodes
- Cost efficient quality determination
- Mass and energy balance



Interactive metering tool (under development)



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