



C-Cube

international bv

***Problem:
Corrosion is unpredictable***



Quality unknown



Maintenance too early or too late



Unplanned downtime

Unique Technology: 

Degradation measurement

Corrosion prognoses

Unique practical in-field methods 

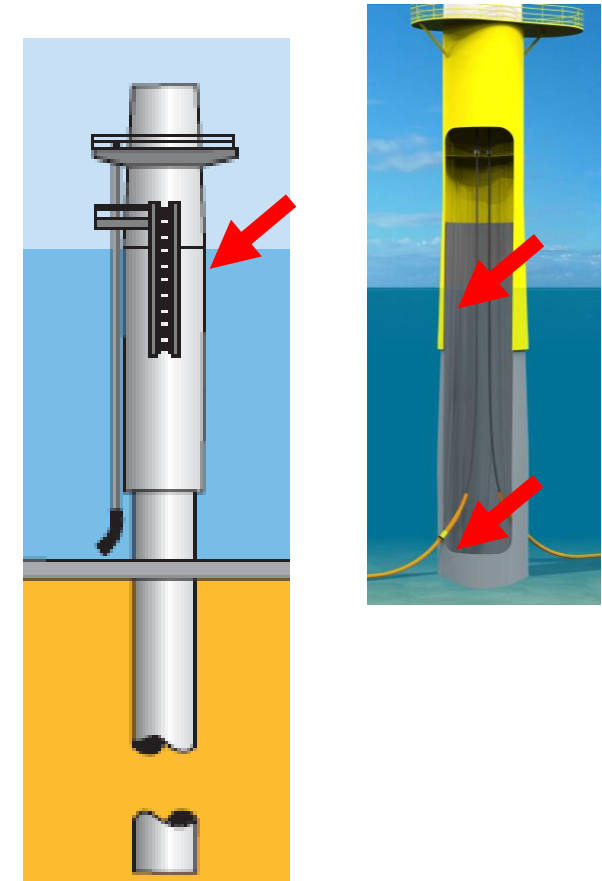
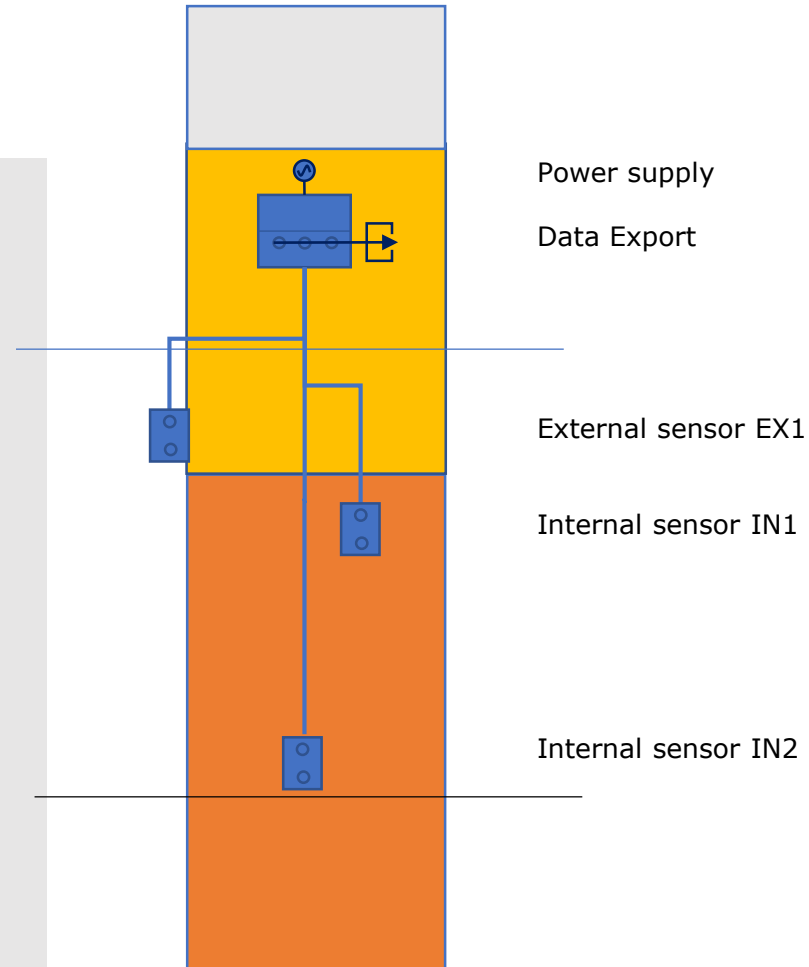
Data analyses and modelling 

Independent and objective 

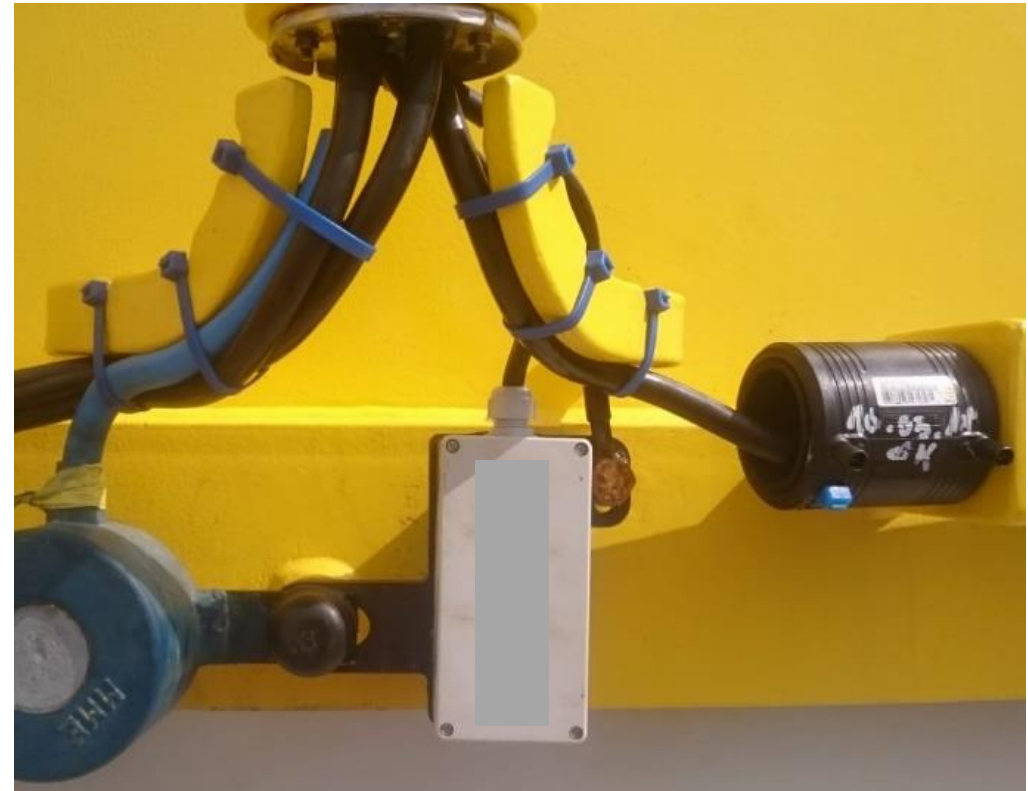
- Risk Regions for Corrosion

1. Fouling zone
2. ICCP gas zone
3. Mud zone

- → 3 sensors

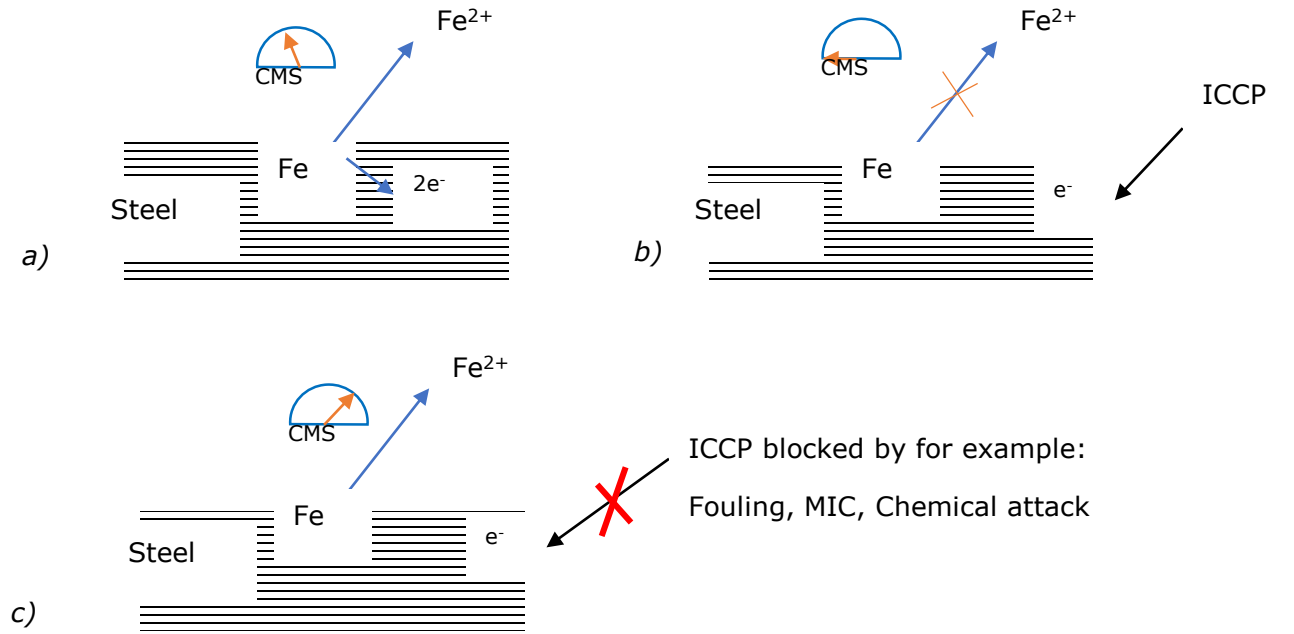


- Sensor Setup
- Mix of measurement techniques, UT, EN, DC and AC

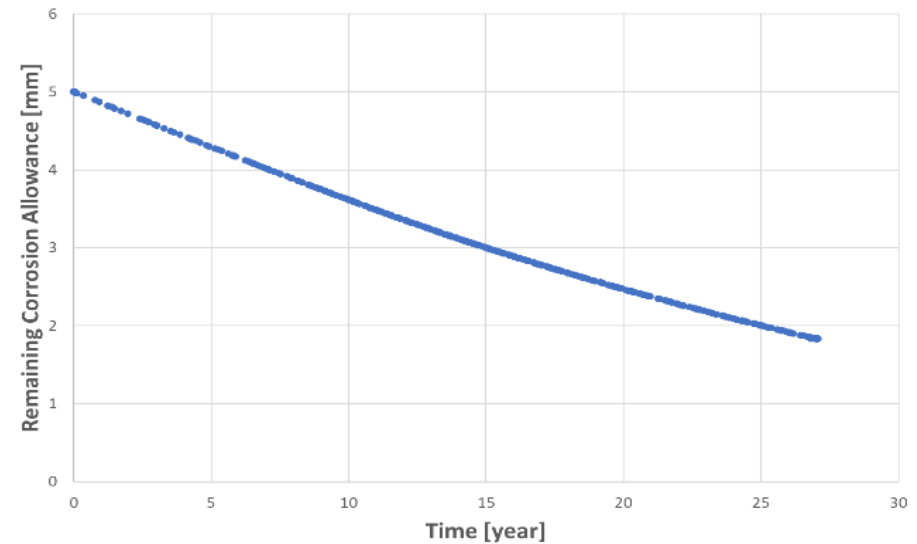
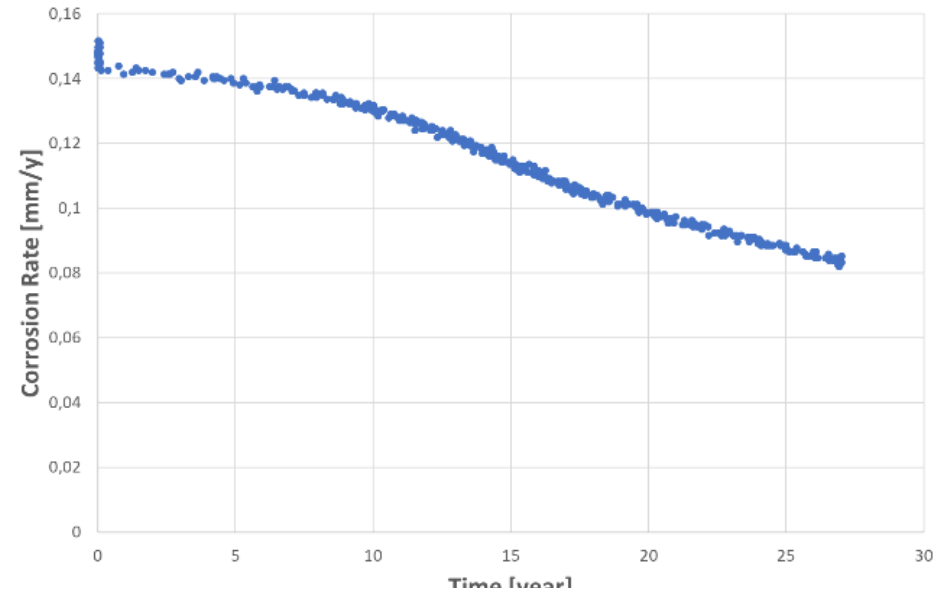


- Corrosion Monitoring Principle

- a) Free corrosion
- b) ICCP protection
- c) Reduced ICCP function



- Results:
- Corrosion rate; real and actual
- Remaining corrosion allowance



- Verification of Design parameters
- Remaining Lifetime determination
- Early Detection of aberrations





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