



Norsk Forening
for Vedlikehold



Welcome to the conference:

Strategic Inspection Management 2024

September 11th–12th

TECHNICAL ORGANIZER



nfv.no

Program

Wednesday September 11th

08.30 **Registration / Coffee**

09.00 **Opening**

CUI – CORROSION UNDER ISULATION (monitoring of analysis data)

09.15 **InnovateCUI – A Joint Industry Project evaluating CUI Monitoring technologies**

The InnovateCUI project is a Joint Industry Project in which 11 international companies are joining forces to further investigate ways to manage CUI. The project focusses on gaining a better understanding of different permanent monitoring technologies, as well as developing a way to evaluate coating performance. This presentation will focus on the sensor technology part, in which 6 different sensor technologies are being tested in a simulated industrial environment. A summary of the project objectives will be given, as well as a short description of existing sensor technologies, how they are being tested, and some preliminary test results.

Dr. Jeroen Tacq, Sirris

10.00 **Use of humidity data to assess probability of CUI**

- Update of DNV-RP-G109
- Static and Dynamic method
- Qualitative PoF calculation
- Requirements to sensor systems

Frode Wiggen, DNV

10.45 **Coffee Break**

11.15 *How can moisture monitoring effectively replace traditional visual inspection methods?*

Timothy Van Caelenberghe, Fluves

11.45 **Understanding how water moves in insulated systems: implications for corrosion under insulation**

Åsmund Ervik, SINTEF Energi AS

12.15 **Lunch**

RISK BASED INSPECTION (RBI)

13.15 **Status – RBI**

Stein Valen, Maintech and Frode Wiggen, DNV

13.45 **RBI as a central and integrated part of integrity management**

Presentation from Aker BP

Arild Bjørkås, Aker BP

Presentation from Equinor

Torbjørn Bygstad, Equinor

Presentation from OKEA

Målfrid Guldstein, OKEA

14.45 **Coffee Break**

15.15 **What are the requirements of RBI in the regulations?**

Thom Fossellie, Norwegian Ocean Industry Authority

15.45 **Discussion**

17.00 **End of Day 1**

19.00 **Conference Dinner**

Thursday September 12th

DIGITALIZATION AND ARTIFICIAL INTELLIGENCE (AI)

09.00 **Building Confidence in Machine Learning Algorithms in NDT**

Mike Laws, ESR Technology

09.45 **NDT AI – autonomous interpretation of digital radiographic images**

Stian Gurrik, DNV

10.15 **Coffee Break**

10.45 **Machine learning assisted data interpretation of remaining pipe wall thickness measurements in QSR corrosion under pipe support (CUPS) inspection**

Dr. Eli Leinov, Head GUL Training, Guided Ultrasonics Ltd

11.15 **Ultrasonic – AI/machine learning – ultrasonic guide**

Stuart Kenny, TSC Subsea

11.45 **IOT as an enabler to improve asset integrity management**

Petter Myrvang, DNV

12.30 **Lunch**

DRONES AND ROBOTIC INSPECTION

13.30 **Inspection and maintenance robotics: Status and trends**

Aksel Transeth, PhD/senior research scientist, SINTEF Digital

14.15 **Coffee Break**

14.30 **No-man entry inspection and NDT (UT) of cargo tanks using flying drones**

Nicolai Husteli, CEO, ScoutDI

15.00 **Bridge inspection in the National Public Roads Administration**

- Inspection and maintenance of bridges
- Use of drones and sensors to perform condition assessments

Knut Ove Dahle, Statens Vegvesen

15.30 **Use of drones and robotic in Equinor**

Geir Tore Knudsen, Equinor

16.00 **End of the conference**

Conference Committee:

Mr. Andres Rivero, Equinor

Mr. Roy Johnsen, NTNU

Mr. Frode Wiggen, DNV

Mr. Stein Valen, Maintech

Mr. Thom Fosselie, Petroleurstilsynet

Mr. Stene Kristiansen, Quality Norway



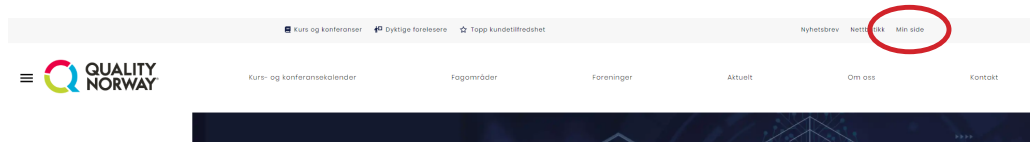
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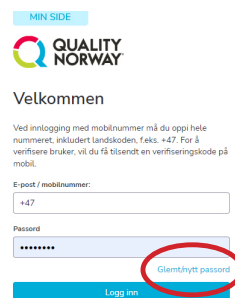
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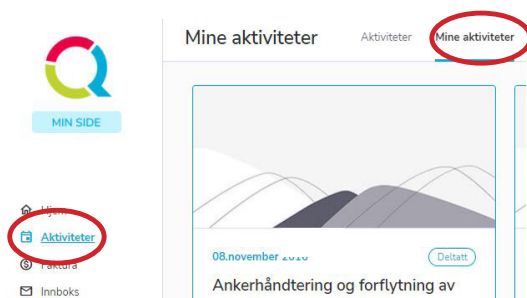
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