

Corrosion

Scaled Solutions offer a wide variety of corrosion testing services tailored to suit your needs

How our services can help you

Corrosion Testing

Representative laboratory testing is key to ensuring the integrity of a system is maintained, by selecting the most appropriate mitigation strategy. With a dedicated corrosion testing laboratory and team of highly qualified staff, we have the capability to perform a comprehensive range of services that can be tailored to suit customer's specific requirements.

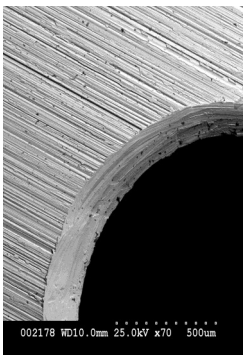


Main Services

- Consultancy & Review
- Corrosion Prediction Modelling
- Training Courses
- Equipment Design & Supply
- Material Selection (Elastomer, metallurgy, coatings)
- Corrosion Inhibition Performance (Film persistency, thermal stability, fluid compatibility, foaming/emulsion tendency
- Chemical Application

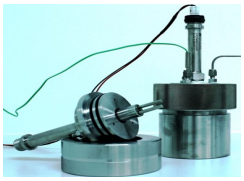
Electrochemical Testing/ Weightloss Tests

- Bubble Cell
- Rotating Cylinder Electrode (RCE)
- HP/HT Autoclave
- HP/HT RCE-A
- HP/HT Rotating Cage
- Preferential Weldment
- Jet Impingement
- Top of the Line (TOL)
- Under Deposit
- Artificial Pitting
- Pilot Rig/ Flow Loop



Other Tests

- Film Persistency
- Partitioning and CI Analysis
- Thermal Stability
- Fluid Compatibility
- Chemical/ Chemical Compatibility
- Microscopy and Pitting Evaluation





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Key Papers

- Ian Carpenter, Hunter Thomson, Rodney Madjitey, Gordon Graham and Robert Stalker (Scaled Solutions Ltd.); “Corrosion Inhibitor Screening and the Impact of Additives”, proceedings of the AMPP International Corrosion Conference and Expo, 2022
- Gerard Runham, Ian Carpenter, Hunter Thomson, and Paul Hammonds (Scaled Solutions Ltd.); “Closed Cooling Loop Corrosion– A Laboratory Based Investigation of Possible Causes”, proceedings of the NACE International Corrosion Conference and Expo, 2021
- Hunter Thomson, Rodney Madjitey, Ian Carpenter, Caroline Simpson, Gordon Graham, and Dario Frigo (Scaled Solutions Ltd.); “Corrosion inhibitor Screening—Impact of Test Approaches & Conditions on Performance”, proceedings of the NACE International Corrosion Conference and Expo, 2018
- Caroline Simpson, Hunter Thomson, Dario M. Frigo, and Robert Stalker (Scaled Solutions Ltd.); “Assessing Corrosion Risk and Selection of Appropriate Testing Programmes for Gas and Gas-condensate Pipelines”, proceedings of the NACE International Corrosion Conference and Expo, 2017

Truly Independent Laboratory

At Scaled Solutions, our mission is to be recognised worldwide through our independent specialised laboratories as the leading supplier of bespoke equipment, training, consultancy and provider of solutions to challenges in Production Chemistry, Corrosion and Formation Damage.

We aim to exceed our customers’ expectations and improve our service to our customers on a continual basis through our key values: team work & communication, openness & transparency, continual improvement and trust.

Quality, Integrity, Safety and Excellence

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British Assessment Bureau
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QUALITY MANAGEMENT

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