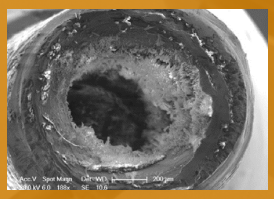
Inorganic Scale

Scaled Solutions offer inorganic scale testing to help you understand, mitigate and resolve scaling risks



How our services can help you

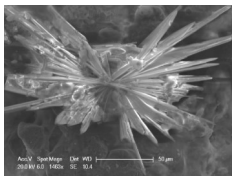


Inorganic Scale Testing

Scaled Solutions' expert senior consultants can support your business with assessing the scale risk in your production system.

Types of scales investigated

- Conventional scales
- Iron scales
- Sulfide scales
- Silicates
- Halites



Consequences of Scaling formation and inhibition

- Self-scaling conditions
- Mixing of incompatible waters
- Changes in production conditions
- Enhanced Oil Recovery operations
- H_2S scavenger addition
- Stimulations– spent acid production
- Evaporative processes

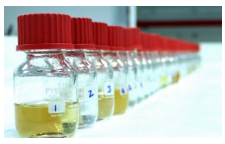
Other

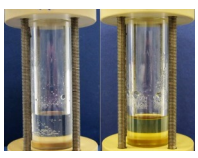
- Sulphate removal limits required to prevent scale

We provide scale formation, inhibition and dissolution studies for conventional and exotic scale species under field representative conditions. Quality results are produced and reported through our decades of experience, expertise and in our state of the art facilities.

Facilities

- Expert consultancy
- Specialist high temperature visibility cells
- Static bottle tests
- Dynamic tube blocking
- Jet impingement
- High pressure high temperature autoclaves
- Large flow pilot rig
- Evaporative halite testing





Our expert senior consultants can support your business with assessing the scale risk in your production system by working with you to review your field data, conduct scale prediction modelling and provide recommendations on strategies to mitigate and resolve potential

Scaled Solutions

Key Papers

- Neil Goodwin, Mark May, David Nichols & Gordon Graham (Scaled Solutions Ltd.); “Scale Deposition and Hydrodynamics - Benchtop to Pilot Rig”; SPE-190756
- David A. Nichols, Hunter Thomson, Caroline Simpson, Gordon M. Graham, (Scaled Solutions Ltd.); “Scale and Corrosion Inhibitor Evaluation under High Shear Flow Conditions”; SPE-184592
- David A. Nichols, Dario M. Frigo, Gordon M. Graham (Scaled Solutions Ltd.); “Advances in Understanding Effects of Shear and Turbulence on Scale Formation, Adhesion and Growth on Surfaces”; SPE-179903
- Dalia Abdallah, Collins Elechi, (Abu Dhabi Company for Onshore Petroleum Operations), Caroline Simpson, Sam Kidd, Laurien Wichers Hoeth and Gordon Graham, (Scaled Solutions Ltd.); “Inorganic Scale Challenges and their Mitigation in an Onshore Abu Dhabi Field”; SPE 177881

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

Our Head Office

6 Nettlehill Road
Houstoun Industrial Estate
Livingston
EH54 5DL
United Kingdom

Tel: +44 (0) 1506 439994
Fax: +44 (0) 1506 439971

Our United States Office

Scaled Solutions USA
12621 West Airport Blvd
Suite 400
Sugar Land
Texas 77478

Tel: (281) 302-5900

Our Middle East Office

Scaled Solutions LLC
Showroom B130GF, Plot 29-A
Mussafah Industrial Area No.41
ICAD III
Abu Dhabi, UAE

Tel: +971 2 666 9304
Fax: +971 2 666 9324

Our Malaysia Office

Scaled Solutions Malaysia Sdn Bhd
202001018175, 1374495-K
Lot 7.26, 7th Floor
Wisma Central, Jalan Ampang
50450 Kuala Lumpur

Tel: +60 17 267 1090

General Enquiries: enquiries@scaledsolutions.com
Website: www.scaledsolutions.com

British Assessment Bureau
UKAS MANAGEMENT SYSTEMS
8289
ISO 9001
QUALITY MANAGEMENT