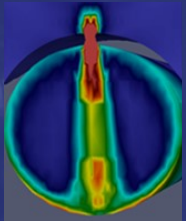
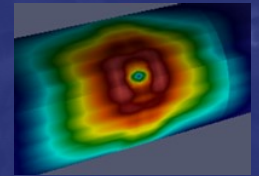


Pilot Rig Testing

The pilot rig allows field representative test pieces and flow conditions to be examined



How our services can help you



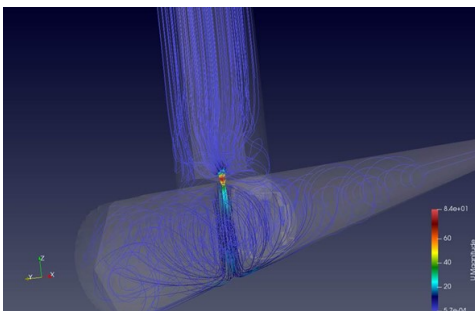
Main Services

Pilot Rig Testing

- Dedicated Pilot Laboratory
- Pilot Rig Testing Under Field Realistic Flow Regimes
- Scale and Corrosion Testing

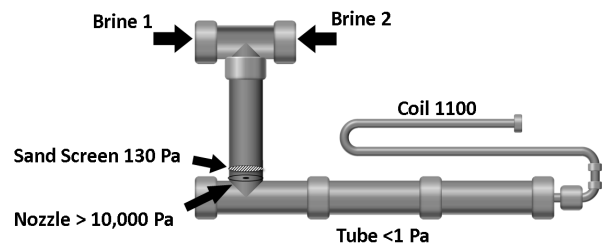
Equipment Capabilities

- Synthetic Brine Production, Filtration and Analysis (up to 8000 L)
- Temperature Control (up to 75° C)
- Pressure Control (up to 5000 psi)
- Flow Rates (up to 16 L/min)



Pilot Rig

Scaled Solutions have integrated their fluid dynamic modelling and Pilot Rig apparatus to investigate the effect of fluid shear on scale formation and precipitation. This has produced a deep understanding of the bulk and surface effects that flow has on scale location formation and deposition. Rig and modelling together have proved to be a powerful tool combination.



- Custom test-pieces designed and manufactured in-house
- Test design and optimisation using computational fluid dynamics
- Full control of fluid flow, brine chemistry, corrosivity and scale conditions

Key Papers

- Neil Goodwin, Mark May, David Nichols, Gordon Graham (Scaled Solutions Ltd.); 'Scale Deposition and Hydrodynamics– Benchtop to Pilot Rig'; SPE- 190756
- E. Albino, H Guan (Schlumberger), H.L. Pinto, M.C. Bezzera (Petrobras), N. Goodwin, G.M. Graham (Scaled Solutions Ltd.); 'Minimising Scale Deposition Through Surface Enhancement in Downhole Tools'; SPE- 169781
- Rodney Madjitey, Hunter Thomson, Caroline Simpson, Dario Frigo, Gordon Graham (Scaled Solutions Ltd.); 'Corrosion Testing in Moderate and Ultra High Shear Production Environments'; SPE- 190906

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