

Spadeadam Test Site and Services

Proven product testing services for the Oil & Gas industry





Reducing clients' business risk

Located in a remote region of the UK, the Germanischer Lloyd (GL) Spadeadam Test Site offers the capability and flexibility to carry out a wide range of testing services to the global Oil & Gas industry.

Whether you are looking to:

- prove that your products, systems or materials actually do perform to specification
- reduce the risk of Major Accident Hazard events
- demonstrate compliance with regulations and standards

GL can design and conduct tests to meet your specific requirements in a secure, confidential and “real world” environment.

Our services include:

- **Gas Explosion Testing** - in confined and unconfined areas
- **Gas Accumulation and Ignition Risk** - pipeline leakage and gas dispersion behaviour
- **High Explosive Testing** - proving blast resistant materials and components
- **Equipment Validation** - hoses, valves and ancillaries
- **Pipeline Fracture Resistance Testing** - for both polymer and steel pipes

- **Fire Testing** - validation of fire protective coatings and jackets
- **Corrosion and Sour Gas** - autoclaves and large scale test facilities available

The GL Spadeadam Test Site specialises in large-scale testing, to validate models and design codes and provide accurate test measurements.

Main client benefits

- Through full-scale tests we enable our clients to understand and control hazards and reduce their safety and business risks
- Our location within a UK Ministry of Defence site offers exceptional physical security
- We employ our own resident team of scientists and engineers, treating all client projects with the utmost confidentiality
- We have been running tests at Spadeadam since 1977: by applying this considerable experience, we ensure that the tests and associated results fully address our clients' business needs

How GL delivers the benefits

Key to the success of our services is:

- **our ability to accurately measure and collect data** - building on our many years' testing experience, we adapt and apply our proven data acquisition systems to clients' specific requirements to provide an unmatched source of test data

Equally important are our:

- **operational understanding** - working with our clients to achieve effective solutions
- **design and build skills** - enabling us to construct test rigs to clients' requirements
- **applied expertise** - full-time experienced engineers are supported by consultants from the wider GL organisation

Working closely with our clients, we design tailored tests that enable the consequences of specific hazards to be understood or controlled.

How we have helped our clients

- When a major Canadian pipeline operator sought approval to build a pipeline outside the validated range for design codes, we ran full-scale tests to prove the fracture resistance of the pipe steels under operating conditions
- For a UK-based technology group we built a customised test rig with a flow loop for testing and developing their innovative downhole gas compressor technology, simulating downhole conditions in a safe and repeatable manner
- The extensive and accurate results we collected from running jet fire and blast tests on a variety of fire protective materials have enabled UK and International manufacturers to obtain certificates of approval from certifying authorities



Whatever business or safety problem you are looking to solve, we offer a proven service to meet your needs. To find out more about GL's Spadeadam Test Site and Services, and how they can help you achieve real, measurable business benefits, contact us now by email at spadeadam@gl-group.com or phone us on +44 1697 747404. You can also visit our website at www.gl-group.com/spadeadam

GL Industrial Services

Germanischer Lloyd Industrial Services GmbH

Head Office

Steinhöft 9, 20459 Hamburg, Germany

Phone: +49 40 36149-777

Fax: +49 40 36149-1781

oilandgas@gl-group.com

GL Spadeadam Test Site

MOD Range 5, Gillsland

Brampton, Cumbria

CA8 7AU, United Kingdom

Phone: +44 1697 747404

Fax: +44 1697 747574

spadeadam@gl-group.com

www.gl-group.com/spadeadam

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