OIL & GAS

SPADEADAM TESTING AND RESEARCH

Visitor information
Testing and research
Located in a remote part of northern England, Spadeadam Testing and Research offers the opportunity to carry out rarely available trials in a controlled and secure ‘real-life’ environment.

Large scale test facilities include multiple test pads, vessels and demonstrations areas which can be tailored to meet specific customer requirements and support a unique range of test scenarios.

Supported by a highly experienced team, DNV GL are able to facilitate the testing of components, products, techniques and processes from design through to analysis and recommendations.
Oil and gas
Specialising in large scale testing, Spadeadam Testing and Research has extensive facilities to support:

- Gas Explosion Testing – confined and unconfined
- Gas Accumulation and Ignition Risk
- Equipment Validation – hoses, valves and ancillaries
- Pipeline Fracture Propagation
- Fire Testing
- Corrosion and sour gas
- Carbon capture and storage
- Gas dispersion
- LNG and FLNG operations
- Major Incident Investigation
- PE pipe testing
- Materials testing
- BLEVE (Boiling liquid expanding vapour explosions)
- Vessel burst and fatigue testing
- Flare evaluations
- Underwater trials

Security
DNV GL offer an enhanced testing service from design through to reporting, which can extend to:

- High Explosive Testing – the ability to test with charge sizes of up to 500+kg
- Blast Testing – components, structures and vehicles
- Instrumentation – measurements of free field and reflected overpressure; structural response using strain gauges, displacement transducers or accelerometers
- High speed video photography
- Ballistic Testing – from small arms to RPG’s
- Equipment testing
Training and conferences

Bespoke hazard awareness courses are designed to give delegates the opportunity to experience fire, explosion and dispersion hazards first hand as well as gaining a deeper understanding of how major accidents occur. Courses are interactive and demonstration based.

DNV GL’s site training portfolio includes:

- Hazard Awareness - 1 day and 2 day courses
- Blast and Ballistics
- Structural Glazing
- Explosion Awareness
- LNG Hazards
- Dust Explosions
- Environmental Impact.

Course brochures are available on the DNV GL website or can be requested by email to spadeadamHAC@dnvgl.com

Conference facilities can accommodate up to 100 delegates, with catering and a coffee lounge available to support a unique visitor experience.
Pre-visit information

What to bring
All visitors must bring a current photo ID in the form of a passport or a driving licence; for all Non-British nationals, this must be in the form of a current passport. We require 6 weeks’ notice for Non-British visitors.

Personal Protective Equipment (PPE) will be provided by DNV GL for practical demonstrations and testing. It is advised that all visitors wear sturdy footwear and bring warm, waterproof clothing; the local weather can be unpredictable.

Test schedules are often weather dependant so please take this into consideration; guest wi-fi is available within designated buildings across the site and visitor laptops are permitted in these buildings.

Mobile phones are prohibited and will be stored in a secure locker for the duration of your visit. Landlines are available if required.

Catering is available on site, please advise of any dietary requirements in advance of your visit.

Site Procedures
Spadeadam Testing and Research is located within a Ministry of Defence (MoD) base.

All visitors require a Royal Air Force (RAF) security check on arrival and to be issued with an RAF pass. Please arrive at the main RAF gatehouse (map overleaf) in sufficient time for these checks to take place; it may take up to 15 minutes.

Once an RAF pass has been issued, you will be escorted to a DNV GL gatehouse. The speed limit on the RAF base is 40mph, reduced to 30 mph during winter months. On arrival, please enter the DNV GL gatehouse to register and complete your site induction.

All mobile phones, other electronic communication equipment, cigarettes, matches, cigarette lighters and any other potential sources of ignition are to be switched off and stored in a secure locker within the DNV GL gatehouse.

Due to the nature of the work being undertaken on site, DNV GL reserve the right to remove any visitor who is believed to be under the influence of alcohol or drugs, or is acting in a manner that could cause danger to themselves or others.

Photography is only permitted with the permission of the relevant engineer.

Smoking is restricted to the designated smoking areas.

If you have a query prior to your visit, please contact the DNV GL gatehouse on +44 (0)16977 47404
### Planning your visit

With Carlisle and Newcastle both within an hour of travel time, there are a range of hotels and restaurants available in the local areas. Recommendations include:

#### Accommodation

<table>
<thead>
<tr>
<th>Hotel Name</th>
<th>Address</th>
<th>Website</th>
<th>Phone Number</th>
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<tbody>
<tr>
<td><strong>THE CROWN HOTEL, WETHERAL</strong></td>
<td>Crown Hotel, Wetheral, Carlisle, Cumbria, CA4 8ES</td>
<td><a href="http://www.crownhotelwetheral.co.uk">www.crownhotelwetheral.co.uk</a></td>
<td>+44 (0) 1228 561888</td>
</tr>
<tr>
<td><strong>MATFEN HALL HOTEL, MATFEN</strong></td>
<td>Matfen Hall, Matfen, Newcastle Upon Tyne, NE20 0RH</td>
<td><a href="http://www.matfenhall.com">www.matfenhall.com</a></td>
<td>+44 (0) 1661 886500</td>
</tr>
<tr>
<td><strong>LANGLEY CASTLE, HEXHAM</strong></td>
<td>Langley, Hexham, Northumberland, NE47 5LU</td>
<td><a href="http://www.langleycastle.com">www.langleycastle.com</a></td>
<td>+44 (0) 1434 688888</td>
</tr>
<tr>
<td><strong>CENTRE OF BRITAIN HOTEL, HALTWHISTLE</strong></td>
<td>Main Street, Haltwhistle, Northumberland, NE49 0BH</td>
<td><a href="http://www.centre-of-britain.org.uk">www.centre-of-britain.org.uk</a></td>
<td>+44 (0) 1434 322422</td>
</tr>
<tr>
<td><strong>THE HALSTON, CARLISLE</strong></td>
<td>The Halston Aparthotel, 20-34 Warwick Road, Carlisle, CA1 1AB</td>
<td><a href="http://www.thehalston.com">www.thehalston.com</a></td>
<td>+44 (0)1228 210240</td>
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#### Restaurants

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<tr>
<th>Restaurant Name</th>
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<th>Website</th>
<th>Phone Number</th>
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<tr>
<td><strong>FANTAILS, WETHERAL</strong></td>
<td>The Green, Wetheral, Carlisle, CA4 8ET</td>
<td><a href="http://www.crownhotelwetheral.co.uk">www.crownhotelwetheral.co.uk</a></td>
<td>+44 (0) 1228 560239</td>
</tr>
<tr>
<td><strong>THE GOLDEN FLEECE, RULEHOLME</strong></td>
<td>Ruleholme, Irthington, Carlisle, CA6 4NF</td>
<td><a href="http://www.thegoldenfleececumbria.co.uk">www.thegoldenfleececumbria.co.uk</a></td>
<td>+44 (0) 1228 573686</td>
</tr>
<tr>
<td><strong>NUMBER 34, CARLISLE</strong></td>
<td>34 Fisher Street, Carlisle, CA3 8RY</td>
<td><a href="http://www.numberthirtyfour.co.uk">www.numberthirtyfour.co.uk</a></td>
<td>+44 (0) 1228 818583</td>
</tr>
<tr>
<td><strong>DANIELLE’S BISTRO</strong></td>
<td>12 Eastgate, Hexham, NE46 1BH</td>
<td><a href="http://www.danielles-bistro.co.uk">www.danielles-bistro.co.uk</a></td>
<td>+44 (0) 1434 601122</td>
</tr>
<tr>
<td><strong>SOTTO, CARLISLE</strong></td>
<td>35 Warwick Road, Carlisle, CA1 1AB</td>
<td><a href="http://www.sottocarlisle.co.uk">www.sottocarlisle.co.uk</a></td>
<td>+44 (0) 1228 539113</td>
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Other hotels and restaurants are available.
Direction

By Road
If using a satellite navigation system, enter the postcode CA8 7AU.

If travelling from the West, exit the M6 at J43 and head east along A69 for approximately 15 miles (signposted Hexham & Newcastle). Turn left onto local road signposted Denton, Gilsland, Spadeadam and remain on this road (passing a MOD ‘No Entry’ sign) until you reach the RAF Spadeadam Gatehouse.

If travelling from the East, exit the A1 and head westbound on the A69 for approximately 39 miles (signposted Corbridge & Hexham). Turn right onto B6318 at Greenhead and continue for approximately 2 miles, following signposts for Gilsland. In Gilsland, turn right at the Bridge Inn and remain on this road (passing a MOD ‘No Entry’ sign) until you reach the RAF Spadeadam Gatehouse.

By Air
The nearest airport is Newcastle International airport, which has a regular shuttle service to/from London Heathrow.

By Rail
Mainline rail stations can be found at Carlisle and Newcastle, with cross country services running between the two. The nearest rail station to the site is at Haltwhistle, Northumberland.

If you require a taxi during your visit, we can make the necessary arrangements for you.

Things to do
Spadeadam lies in close proximity to Hadrian’s Wall, on the border of Cumbria and Northumberland. The local area has a rich history and has many attractions linked to its Roman heritage - most notably at the Wall fort of Birdoswald.

Discover Carlisle  www.discovercarlisle.co.uk
Visit Northumberland  www.visitnorthumberland.com
About DNV GL

DNV GL enhances safety, increases reliability and manages risks in oil and gas projects and operations. Our industry experts offer local access to global best practice in every hydrocarbon-producing country. Driven by a curiosity for technical progress, we provide a neutral ground for collaboration; creating competence, sharing knowledge and setting industry standards. For more information, visit: www.dnvgl.com

DNV GL
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