



Weighing in with support

Lerwick Harbour's capacity to accommodate the larger vessels now operating in the offshore industry is highlighted by the latest statistics which show the tonnage of related shipping visiting the port in the first half of the year increased 26% to 1.8 million gross tonnes, compared with the same period last year. Oil and gas related cargo shipments were higher by 42.5% at 93,063 tonnes.

Sandra Laurenson, Lerwick Port Authority Chief Executive, said: "Following a 52% year-on-year increase in 2012, the figures for this year are all the more impressive. With a higher proportion of large vessels using our deep-water facilities, specialist support ships, pipelay vessels and floatels all contributed to the increased tonnage."

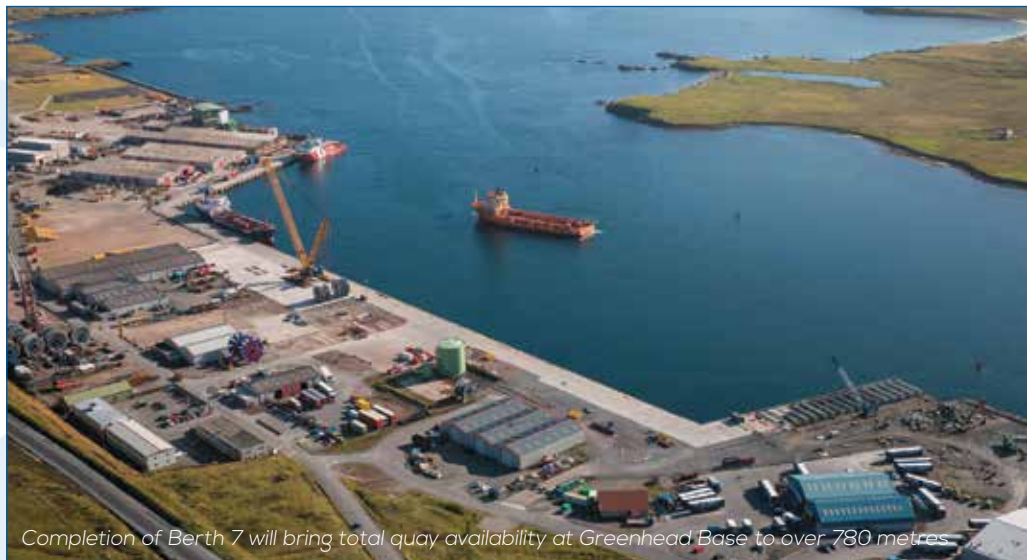
Expanding deep-water facilities

The latest addition to Lerwick Harbour's deep-water infrastructure is nearing completion and, with continuing high levels of offshore industry activity predicted, is expected to go into immediate use when available in the fourth quarter.

At the well-established Greenhead Base, the new Berth 7 will be 100-metres long and has been dredged to nine metres' water depth.

The development is another example of the opportunities created by Lerwick Port Authority's £12 million dredging and land reclamation scheme which improved access and deepened berths, opening the door to further expansion of facilities and the arrival of larger vessels.

Harbourmaster, Captain Calum Grains, commented:



Completion of Berth 7 will bring total quay availability at Greenhead Base to over 780 metres.

"The Authority has long been proactive in identifying and meeting the requirements of existing and future port users. The ongoing strategy has already been successful in

attracting the increasingly large specialist vessels operating in the offshore industry. Berth 7 will be another valuable addition to resources."



Lerwick Shetland at Offshore Europe

As part of a programme of ongoing marketing of the harbour to the oil and gas industry, the Port Authority will again be an exhibitor at this year's Offshore Europe exhibition in Aberdeen from 3-6 September, on the Lerwick Shetland stand 5D100. The Authority's marketing also includes membership of organisations, Energy North and Decom North Sea.

Centre of support

Around 40 years after first supporting offshore industry projects in the northern North Sea, Lerwick Harbour continues to service new activity. But recent and current projects now include support for regeneration and decommissioning as well as development of fields, and the locations are also west of Shetland, as well as to the east, and in the central North Sea.

The port's geographic position, deep-water anchorages and quays, and extensive laydown and storage areas, mean that Lerwick is ideally suited to support such operations, with a particular demand currently in servicing subsea projects.

There are also a number of new developments planned in Shetland waters, for example, **Solan**, **Rosebank**, **Western Isles** and **Mariner** – all within convenient reach of Lerwick.



FAROE ISLANDS

▲ CURRENT/RECENT PROJECTS SUPPORTED FROM LERWICK

▲ NEW DEVELOPMENTS

Laggan Tormore ▲
Rosebank ▲

SHETLAND

Osprey ▲
Causeway ▲
Western Isles ▲

▲ Schiehallion
Foinaven ▲
Solan ▲

LERWICK

Mariner ▲
Gryphon ▲

▲ Claymore
▲ Rob Roy
▲ Ivanhoe

Current and recent projects

Rob Roy/Ivanhoe area: onshore dismantling/processing at Greenhead base of subsea structures and pipelines.

Laggan-Tormore: long distance tie-back of subsea wells connected to a new gas processing plant near Sullom Voe, including laydown of 15,000 tonnes of pipeline at Lerwick as well as laydown for the onshore plant.

Osprey, Merlin & Dunlin: mobilisation/demobilisation and crew change for annual IRM.

Gryphon Area Reinstatement Programme: installation and tie-in of risers, umbilicals, flexible flowlines, mid-water arches, subsea structures and other subsea equipment

Quad 204: includes removal of FPSO/mooring system & recovery of risers/umbilicals; installation of new FPSO, associated subsea equipment and 50 kilometres of pipeline.





Quay developments

Laydown areas recently created at Dales Voe utilised to meet demand for industrial sites

Capital spend on the ongoing development of the harbour's facilities is anticipated to reach more than £20 million over the next two years, building on the Port Authority's investment of more than £74 million since the 1960s, much of it in recent years and on expanding the deep-water infrastructure.

Of the port's near 4,000 metres of quays, over 1,300 metres are deep-water.

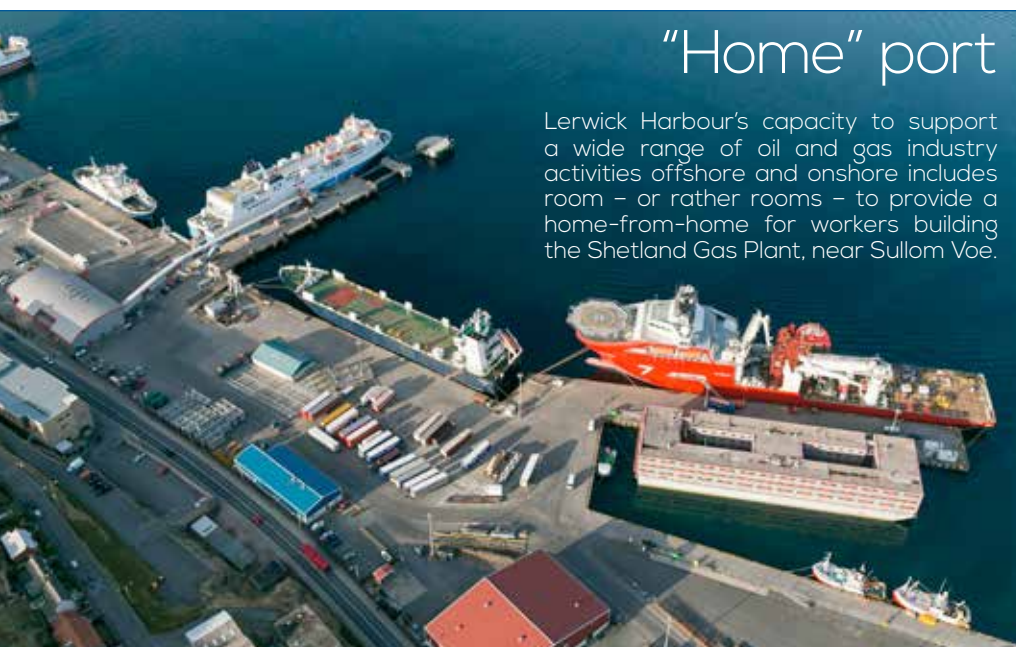
Other ongoing developments include additional sites for industry, more lay-down areas and further deep-water berths.



Heavyweight visitor

The trend for larger vessels to use Lerwick Harbour's sheltered deep-water anchorages continues, with a visit in July by Heerema's *Thialf*. At almost 137,000 tonnes, it is the world's largest ocean-going crane vessel.

Installing two jackets for platforms on BP's Clair Ridge development west of Shetland, the semi submersible crane vessel (SSCV) was in port during the campaign to take advantage of the port's strategic location and capabilities.



"Home" port

Lerwick Harbour's capacity to support a wide range of oil and gas industry activities offshore and onshore includes room – or rather rooms – to provide a home-from-home for workers building the Shetland Gas Plant, near Sullom Voe.

Two floatels, with a total of almost 450 rooms, are berthed at the port – *Bibby Stockholm* at Morrison Dock since March and *Kalmar* at Albert Wharf since June, with both expected to remain until next year.

The vessels are on charter to Petrofac, the main contractor for the onshore gas plant development by Total E&P UK Limited and its joint venture partner, Dong E&P (UK) Limited as part of the Laggan-Tormore development, west of Shetland.

A third floatel is expected to berth at Mair's Quay early autumn.



Positive outlook

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Forecasts for offshore oil and gas projects being supported from Lerwick over the next three years are very encouraging and the Authority's endeavours to keep pace with the size of ships now operating in this sector has paid dividends, with deep-water quays continuing to be provided on the back of a huge dredging project in 2008.”

Lerwick Port Authority Chairman,
Harry Jamieson
- Strategy and Business Plan 2013



Britain's Top Port

With its natural advantages – including a sheltered, deep-water harbour, two entrances, 24-hour, all-weather access and strategic location in proximity to northern North Sea and west of Shetland fields – enhanced by modern facilities and services and a skilled experienced workforce, Lerwick is perfectly positioned to support the full range of offshore activities. Britain's most northerly commercial port, Lerwick provides:

- Almost 4,000 metres of quayside.
- Over 1,300 metres of deep-water quays.
- Up to 12.5 metres' water depth alongside.
- Deep-water anchorages over 50 metres.
- Multiple heavy-lift berthing options.
- Full service base capability.
- Licensed decommissioning pad.
- Over 120,000m² of open storage and laydown.
- Logistics, engineering and fabrication from experienced providers.
- Project support.
- Quayside waste management with modern landfill site and local disposal routes.
- Workshops, warehousing and utilities.
- Diving and surveying.
- Ships' agencies.



Gas plant shipments

Heavy lift vessels are continuing to deliver modules and other equipment to Lerwick for storage and onward transportation by sea and road to the Shetland Gas Plant, under construction next to the Sullom Voe oil terminal.

Taking advantage of Lerwick's deep water, extensive laydown areas and heavy lift capability, shipments have been received since early year, with several more scheduled.



Busy times at Greenhead

Greenhead Base is a main location for offshore oil & gas and also decommissioning activity in the harbour, with the Port Authority operating multi-user quays and key service providers including a number of shipping agencies, an offshore logistics operator, a major offshore subsea contractor and a decommissioning contractor all located there.

Logistics provider, Peterson, is one example, with contract awards this year including a two-to-three year subsea redevelopment project, with Peterson providing all onshore services to support movement and storage of the extensive subsea equipment and reels, with weights of over 300 tonnes. Redevelopment involves a further contract to Veolia Environmental Services and Peterson for decommissioning redundant elements, with an estimated 10,000 tonnes to be recovered. Peterson and Veolia are also preparing

for the final phases of another subsea decommissioning project, ongoing since 2011, with the recovery this year of the heaviest subsea templates.

Peterson, operator of the Greenhead Base, has also provided key storage and quayside cargo handling services for steel and concrete-coated pipe for subsea development projects, both east and west of Shetland. Future prospects for the Base are positive, with a steady and large number of tenders and enquiries being pitched.



Quality & environment priorities

Lerwick Port Authority operates an integrated Health, Safety, Environment and Quality Management System certified to the BS EN ISO 9001: 2008 Quality Standard and BS EN ISO 14001: 2004 Environmental Standard. This includes an ongoing programme of review and improvement of processes to ensure quality service provision and sensible management of the environment.



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