

PROJECT SHEET

LERWICK NORTH HARBOUR DREDGING AND RECLAMATION
LERWICK, SHETLAND ISLANDS, UNITED KINGDOM

BOSKALIS WESTMINSTER: SKILLS, RESOURCES, EXPERIENCE

Boskalis provides clients with tailored, project-specific solutions for above dredge related offshore services, as illustrated by the following project summary.

PROJECT DESCRIPTION

The 2008 dredging and reclamation works were one of the largest marine projects to be carried out in Scotland in recent years and, at a total cost of £12,500,000 were the largest single investment in the port to date and were executed by Westminster Dredging Co. Ltd.

Arch Henderson designed, procured and project managed the dredging and reclamation project to remove in excess of 500,000m³ of bulked dredge fill to create improved deepwater access (-9m CD) for existing general, oil logistic and future offshore decommissioning trade.

Dredging to 9m below Chart Datum brought a range of significant benefits, particularly to the pelagic fishing and offshore oil sectors. These included wider and deeper access to Greenhead Base, an improved alignment of the new deep water north channel, and will enable access and berthing for larger vessels at the Shetland Catch pier. Also included were deepening of the landing berth at Heogan to 8 metres, and deepening of an area at Mairs Yard, north of Holmgarth for a future quay.

Works comprised the drilling and blasting of approximately 100,000m³ rock which was dredged by the backhoe dredger Manu Pekka together with 280,000m³ of sand and weathered rock. The trailer dredger Waterway dredged approximately 360,000m³ of silty sand and gravel.

The project further involved using 320,000m³ dredge material to reclaim approximately 5 hectares of seabed protected with around 70,000 tonne of rock armour to accommodate a future decommissioning lay down area. Project design commenced in 2007 and all works were completed on programme and to budget in November 2008.



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FEATURES

Project Name	Lerwick North Harbour Dredging and Reclamation
Client	Lerwick Port Authority
Contractor	Westminster Dredging Company Ltd
Location	Lerwick, Shetland Islands, United Kingdom
Execution period	2007 – 2008



A Location map



B Aerial View

C Waterway pumping ashore

D Long Sand and Manu Pekka working together

