

Uig Harbour Redevelopment



Community Liaison Meeting





Summary of Works – since last meeting

- Removal of fenders and bollards from Approachway
- Removal of Streetlights from Berthing Area
- Import and compact fill to reclamation area @ 45,000 tonnes to date
- Scaffold, Hydro Demolition and Concrete Repairs to existing pier
- Sheet piling and anchor walls to Fishermans Wharf
- Installation of drainage in Marshalling Area
- Delivery to site of tubular piles and barges with tug
- Mobilisation of Jackup Barge & Crane
- Load Crane on to Jackup Barge
- Commence installation of temporary works on Berthing Structure
- Dive Survey and removal of obstructions





Planned Works

- Continue with aggregate delivery from Kingsburgh Quarry
- Continue with sheet pile delivery for Berthing Structure
- Continue with Concrete Repairs along Approach Pier
- Continue filling & compacting the Marshalling Area
- Terminal Building Piling in reclamation area
- Piling to Berthing Structure using Marine Plant
- Drainage to Marshalling Area





Noise Monitoring – Real Time







HAVEN SEARISER 2

General Туре

RCP-250 Modular Self Elevating Platform Bureau Veritas I X HULL Offshore Self-Elevating Unit

Main Dimensions Length 29.26m Breadth Depth Deck Area Max Leg length 36.00m Leg Diameter 1.22m Gross Tonnage Lightship Weight 450 tonne **Jacking System** Jacking Speed 16m/hour (Fully Laden) Jacking Stroke 1.60m

Operation Conditions Max Deck Load / Point load 250t/5t/m

Max Free Leg Length 29 50m Max Crane Self Weight

Standard Equipment

Hydraulic Cabin, Fuel Bunker, Fresh Water Bunker, Navigation Shapes and Lights, Bollards, Handrails.

Optional Equipment

Hydraulic Winches, Safety Boat, Knuckle Boom Crane, Access Walkways, Cantilever Platforms.

Due to the imposed loading restrictions on the existing pier the installation works will be carried out utilising Marine Plant.

Scope of work

Main Berth Piles

90nr 914mm diameter x 23.8mm steel tubes, average length 20.32m 372nr EZ28-700 sheet piles, average length 18.49m





Support Vessel



DMS CONDOR TUGBOAT

Dimensions

Performance (Trials)

24.0t

Length	25.9m	Bollard P
Beam	9m	Speed (ma
Depth	3.2m	
Draft	2.4m	
Gross Tonnage	112.72t	

Tank Capacities

	Fuel Oil	59.7m³
	Fresh Water	36.4m³
	Sewage	2.1m ³
	Bilge Water	3.5m ³
	Hydraulic Oil	1.1m ³

Classification

Bureau Veritas I ♥ • MACH Tug MCA Cat 1 – Up to 150NM from safe haven 4 Crew accom. Incl. general facilities 6 No. Persons Max.

Equipment

2X CAT Type 35088 T NB engines – 1947hp (1452kW) 1X 100 hp Bow Thruster 1X John Deere 4045 TF Generator – 89kVA 220/380V 50Hz 1X Hatz 4L41C Generator – 30kVA 220/380V 50Hz 1X Ridderinkhof 40T at 3m/min 36mm ø – 600m 1X Towing Winch 40T 36mm ø – 250m 1X HEILA HLRM 80-3S Deck Crane 1X Mampaey SWL 25t Towing Hook 1X 3t Capstan

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To set up the piling gates 4nr spud legs will be required to be installed. The spud piles will be driven using a 24VM vibro hammer. Cross braces will then be welded to the spud legs to accommodate the walkways which will also act as a pile guide.

Steel sections will then be welded across the walkways to position the piles during driving.

The top and bottom gate will be constructed with the steel guides on both levels to enable the piles to maintain verticality during driving. The gap between the top and bottom gates will be 6m



The initial driving of the steel tube will take place until the tubes are driving to the top gate level.

When the tubes have been driven to the top gate level then the gate will be removed to enable the tubes to be driven to level by using the 40VM vibratory hammer and Junttan HHK12A impact hammer.

The infill AZ28-700 pairs of sheet piles will then be pitched and driven.

The gate will then be stripped down and set up for the next panel of piles to be driven.





Project Plan





Concrete Repairs to Pier

Before & After







Fishermans Wharf – Reclamation Area and Sheet Piling





Commence Piling to Berthing Area – Jackup, Pile Barge & Tug







Kingsburgh Quarry





Community Benefit

- We have employed two local people on the site, that takes the total employed on the site and resident on Skye to four.
- Contracting with local firms and supply chain with over £350k local spend.
- Engagement with schools and colleges regarding site visits, presentations, training, work experience and placements.
- STEM activities in schools.
- Staff are actively involved with school groups for Climbing, Hockey and Orienteering.
- Engaging with the job centre regarding future positions.
- Staff and the site involved with fundraising and charity events.
- Student Engineer on site for summer placement.





Uig Harbour Redevelopment – Any Questions?



