

BAE Govan – New Dock Bund & Piling Platform, Glasgow

Contract Value:	£380,000
Consulting Engineer:	Halcrow
Engineer's Representative:	
Client:	George Leslie
Client's Representative:	Jordan McCluskey (Tel: 0141 8819131)
Works completed:	July 2023

Categories:- Marine Civil Engineering, Plant Hire

Works Comprised:

In 2022 Glasgow based George Leslie Ltd was appointed by Caledonian Maritime Assets Limited as principal contractor to remove the old pier structure, including the pier deck, support structures and other deck furniture, such as bollards and handrails at an old Ferry Terminal at Brodick, Isle of Arran off the west coast of Scotland.

Ashleigh Contracts were engaged on a Plant Hire Contract by George Leslie to provide the resources necessary to demolish and remove four circular concrete caissons which sat up to 10m below water level and in places were buried more than 2m below the seabed.

Ashleigh's involvement comprised:-

- Mobilising their 220T Hitachi EX1200XXL with assembly of the machine at the Port of Larne and tracking it onto Coastworks' CW-6 55m x 18m spudleg Barge.
- Along with the XXL, Ashleigh mobilised and commissioned a range of excavator attachments including an Atlas Copco HB4200 underwater hydraulic breaker weighing in at 5T, a Mantovanibenne CR80R concrete pulveriser weighing in at 10T, a TGS orange-peel grab weighing in at 9 T and a range of buckets including an in-house fabricated Riddle Bucket.
- George Leslie made all the necessary arrangements to tow the CW-6 Barge to Fairlie for the additional of welfare units and stores as well as fabricated spudlegs each weighing in at 10T – with the Spudlegs to be lifted and lowered at Brodick by the XXL.
- In addition, George Leslie mobilised a 30m x 11m flat topped Barge and all associated Tugs / workboats with all marine equipment then being towed to the Isle of Arran.
- Ashleigh's Hitachi Ex1200XXL, using a Prolec PCX 3D GPS machine control system, undertook the underwater demolition and breaking up of the underwater caissons.
- Once the caissons were broken up, the Hitachi EX1200XXL, using the TGS grapple attachment, then brought up the reinforced concrete in chunks which were placed and subsequently further processed on a 30m x11m flat top barge.
- The demolition material arising was then taken to Troon where a material handler offloaded it on to tipper trucks bound for a recycling facility; the vast majority of material was recycled into aggregates, while the steel content also went for recycling.
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ASHLEIGH CONTRACTS

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Photo – The 10T Mantovanibenne CR80R Concrete Crusher mounted on Ashleigh’s Hitachi EX1200XXL on Coastworks’ CW-6 Barge



Photo – The 9T Orange-peel Grab lifting the Caisson demolition arisings from the seabed and loading onto a Flat-Topped Barge for transportation to Troon for further processing and recycling

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