

PROJECT: METHIL SEAWALL REMOVAL OF MARINE GROWTH

VALUE: £1.9m
 ROLE: MAIN CONTRACTOR
 START DATE: OCTOBER 2013
 COMPLETION: NOVEMBER 2013

CLIENT: SCOTTISH POWER GENERATION
 DALDOWIE FUEL FARM
 UDDINGSTON
 GLASGOW

- Restricted Tidal Working
- Existing 300m revetment host to vast amounts of marine growth
- The use of a brush attached to excavator to clear revetment face of marine growth

- Revetment face was cleared to allow access to joints in revetment for pointing and other repairs
- Beach blocks that were to be reused were also cleaned

At the initial stage of the project, Southbay Civil Engineering was to remove the great amounts of marine growth on the revetment face. This was to aid the identification of imperfections on the revetment and aid the repair processes involved such as pointing and void filling.

Since the beach level was high, Southbay firstly removed beach debris and excavated to achieve a level with the bottom of the revetment

Southbay Civil Engineering then composed an idea to use a brush attached to a 360 Excavator to remove the vegetation. This idea was generated to ensure that no further damage was caused to the revetment when removing the attached aquatic vegetation.

Southbay Civil Engineering's workforce also used high pressure washers to aid in the cleaning of the revetment specially to blocks from the beach that were to be re used.



Removal of Marine Growth on Revetment Face

Removal of Marine Growth by Brush Attached to 360 Excavator and High-Pressure Washer

CHALLENGES

Harsh marine environments and tidal movements limited the hours of work to the revetment face. The tidal movements also made it difficult for beach access and egress.

PROGRAMME

The programme was governed by tidal movements and was complete within one month.