
PROJECT: METHIL SEAWALL SKIM WALL CONSTRUCTION

VALUE: **£265,000**
ROLE: **MAIN CONTRACTOR**
START DATE: **MARCH 2013**
COMPLETION: **JUNE 2013**

CLIENT: **SCOTTISH POWER GENERATION
DALDOWIE FUEL FARM
UDDINGSTON
GLASGOW**

- Restricted to working at low tides for construction.
 - Reinforced Concrete Skim wall 150m long x 2.2m high.
 - This is poured in 12m long sections, constructed on the newly constructed toe wall.
 - In excess of 700 16mm Dowels drilled into the existing Seawall.
 - A393 mesh reinforcement
 - Over 100m³ of Structural anti washout concrete
 - 12 concrete pours in total
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Part of the larger project – Methil Seawall Refurbishment, Southbay Civil Engineering took on a Lump Sum fixed price to construct a Skim wall from the toe wall of the existing 12m vertical Seawall in Area 1. The Skim wall is the final RC works to complete the project.

Over the 40 years, the existing Seawall had been host to large environmental forces and had become severely damaged. Our Design and Build of the skim wall will protect the mid-section of the existing wall.



Southbay Civil Engineering procured Temporary Works Design and utilised in house materials to complete the works to a high standard set in difficult conditions.

All the Southbay team collaborated well to produce a safe job to a high standard to meet the client's requirements.

CHALLENGES

We encountered many challenges during the project including tidal working, adverse weather, working at heights and temporary works.

PROGRAMME

We worked the programme around the tide timetable and double shifted where required to achieve the contract completion date. We also had to take into account curing periods for the concrete prior to removal of the formwork.



Skim wall construction. Access for Plant & Workforce via man basket. Material Access via Crane & Concrete Pump.