



Rotech Subsea were contracted to assist with the excavation of x2 deep water berths of approx. 600m². 1.5m of silt had accumulated in the bottom of the pits, Rotech's TRS2 CFE tool was selected to excavate the pits due to its very high flow rate, giving it the capability to excavate the large volumes this scope required. The TRS2 spread of equipment was mobilised onto the quayside.

Project Information:

Water Depth	-	10 – 15m
Scope	-	Berthing pit clearance
Total excavation depth required	-	1.5m
Soils	-	Silt
Current	-	0 kts
Sea State	-	0m Hs

The TRS2 was launched from a crane on the quayside and remained suspended above the target areas throughout operations. The crane moved the CFE tool along a pre-planned route completing multiple runs in sequence to excavate the silt contents out and away from the pits.

Trench depth was monitored real time using a sonar imager mounted to the CFE tool to confirm when the 1.5m of silt had been cleared.

Soil conditions were cohesionless silts.

The TRS2 CFE tool has a maximum outlet pressure of 60kPa and a max jet flow of 8000L/s. The very high flow rate meant that the TRS2 could excavate the x2 pits with ease and the perfect tool for these conditions.

Progress rates:

Each pit was excavated within 4 hours

Rotech Subsea successfully completed this project 1 day ahead of schedule. The TRS2 performed excellently and achieved the excavation specifications required by the client.