



PROJECT SUMMARY

PROJECT NAME: Isle of Man Ferry Terminal

PROJECT DATE: January 2020 for 2 years

CLIENT: Sisk

CONTRACTOR : Murphy Surveys

CONSULTANT: Murphy Surveys



OVERVIEW

Work has started on the construction of the Isle of Man Ferry Terminal at Prince's Half-Tide Dock, Liverpool, within the Maritime Mercantile City World Heritage Site and the Stanley Dock Conservation Area.

It will sit within Peel L&P's Liverpool Waters, the £5bn regeneration scheme which is transforming 148 acres of the city's north docks.

The site clearance operation took place before Christmas 2019, with contractor John Sisk and Sons planning completion by the summer of 2021.

It is predicted that the development will generate £3.2m for the economy. A link road is also under construction, with the £7m cost being funded by Liverpool City Council as part of its £500m Better Roads programme.

MONITORING

Murphy Surveys have been appointed by Sisk to complete environmental monitoring at Liverpool Dock during site demolition, excavation and construction works of the New Isle of Man Ferry Terminal.

VW Piezometers were used to monitor the pore water pressure to make sure the pressures stay within design guidelines due to the tidal effect at site.

IPIs were used to monitor displacement due to works being carried out at a very close proximity to the quay's walls which need to remain in place during and after the works.

PRODUCTS USED

VWP-3000 Standard piezometer

Used to monitor pore water pressures.

In-Place Inclinometers

Measures tilt and is used to calculate rotation and/or displacement in a vertical, inclined, or horizontal orientation.

Wi-SOS 480 Nodes

Long-range 800MHz wireless battery-powered data loggers for connecting the piezometers & IPIs to the Gateway.

Wi-SOS 480 Gateway

Central data acquisition logger for remote access via the internet.

Wi-SOS WebCentre

Website where the connectivity, health of the Gateways and Nodes can be monitored in real time. Data can be viewed, visualised and downloaded.