

CPT Services on Offshore Wind Farm



Coastline Surveys recently completed a programme of cone penetrometer tests (CPT) for MMT as part of a seabed survey on Scottish and Southern Energy's (SSE) proposed Islay and Kintyre wind farm developments off the west coast of Scotland.

Coastline Surveys used their C-Pen40 seabed penetrometer to collect over 70m of in-situ geotechnical data from over 20 locations across the two sites spread over only four operational days. Once processed and interpreted by Coastline's geotechnical engineers,

the data was passed on where it will be used by engineers to support the design of the wind turbine foundations. The equipment was deployed from MMT's dedicated survey vessel Ice Beam.

C-Pen40 is based around a single wheel Roson drive unit manufactured by A.P. van den Berg in The Netherlands which has been successfully used worldwide over the past 30 years. On this site, where operating conditions were known to be difficult, the unit worked very well achieving up to 5m of penetration on several stations.