

CASE HISTORY

Application: **Offshore Wind Farm – Commissioning and Client Training**

Technology: **PS Logger® | 3-Arm Caliper | 2000m Marine Winch**

Location: **Taiwan**

A major Offshore Wind Farm (OWF) client in Taiwan purchased a comprehensive PS Logger® system for their extensive ground investigation works in the Taiwan straits. Amongst their projects is the Formosa 4 OWF project 18 to 20 kilometres off the coast of Miaoli County in north-western Taiwan. Formosa 4 and neighbouring Formosa 5 will have a potential installed capacity of over 2.6 GW, which will be able to power up to nearly 3 million households upon completion.

Requirement:

The client needed in-depth ‘onboard’ training for their operators which was provided by a highly experienced logging engineer from the Robertson Geo Services team, joining them onboard their drilling vessel for eight days during drilling works on the Formosa 4 OWF project.

Equipment:

A complete logging system was supplied to the client including a 2000m Marine Winch and a Micrologger2 surface acquisition module together with PS Logger® and 3-Arm Caliper probes and all necessary ancillary equipment.

The equipment was deployed on a heave compensated, dynamically positioned, drill ship whereby the winch was mounted in a frame which was then installed on the rooster box. A specification was supplied for the frame which was fabricated locally.

Management:

By joining the operators onboard, the Robertson Geo Services (RGS) training engineer could give first-hand training in probe theory, probe and surface equipment maintenance, calibration and logging during a real ground investigation scenario.

After collecting PS Logger® and caliper gamma data from three 100m boreholes, the engineer provided training on quality control, processing and presentation of the data acquired.

The RGS training engineers’ experience of logging in many different scenarios and conditions allowed for training tailored to the client’s needs. Helpful tips and techniques were shared to enable the operators to collect the best quality data and to show ways to work safely and efficiently, while keeping downtime to a minimum.

All trainees were given a certificate of competence at the end of the course.



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Challenges and Solutions:

System setup and safe working practice on a heave compensated drill ship – Engineer's extensive drill ship experience benefitted the trainees in this challenging environment.

End value to client:

By conducting the training over a period of eight days in a real working environment the trainees achieved a degree of competency difficult to achieve by remote or classroom training alone.

