

BESPOKE INTEGRATED SOLUTION FOR SUBSEA PILE INSTALLATION MONITORING



The client faced an integration challenge during pile installation.

THE PROBLEM

A globally established subsea engineering and construction, long-term client, were faced with an integration challenge during a subsea construction project to monitor the pitch and roll of a subsea pile during installation.

THE SOLUTION

Seatronics worked closely with the client to design a bespoke integrated solution for their unique offshore project requirements. A rechargeable system with batteries was developed, integrated with a Seatronics SeaMesh system for reliable communications and custom-built cabling to operate an iXblue Octans gyrocompass and motion sensor.

GPS receivers and a remote on/off switch were also implemented to conserve battery life when not in use during operations and an external pack was provided to adapt the solution for longer scopes.

THE RESULT

System integration is a key service offering from Seatronics. The client benefited from being able to call upon extensive expertise in developing a bespoke and innovative solution to solve their project requirement and to provide subsea integration of multi-sensor packages.

Close communication and collaboration throughout the project resulted in a solution which is adaptable for future projects. The integrated solution worked seamlessly providing valuable and reliable data to the client ensuring operational time and cost efficiencies.

