

## Stuart Baird

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### Biography

Stuart joined EMEC in April 2009 as Operations Director and has responsibility for ensuring that EMEC operations are planned and executed in a safe and professional manner to meet agreed Client objectives. He also deputises for the Managing Director in his absence and provides support in all operational aspects of EMEC work.

Since commencing this appointment, Stuart has overseen major infrastructure upgrades which have significantly enhanced EMEC's capabilities. He has been actively involved in all developer deployments on site to date bar one. He was directly responsible for the planning and execution of the installation of over 11km of new subsea cable providing 3 new berths and the design, construction and delivery of EMEC's scale test site facilities.

Stuart is responsible for all the Health and Safety aspects of developers and contractors on-site and looks after the EMEC infrastructure, substations and electrical equipment to ensure a safe and reliable service to the developers. Following a successful 20 year career as an Engineer in the Royal Navy, Stuart has, over the last 10 years, been involved in the delivery of major projects in diverse sectors ranging from defence engineering, national security and utilities to the legal sector.

### Presentation Abstract: UK Tidal Program Status Update

The European Marine Energy Centre (EMEC) in Orkney is playing a key role in proving to the world the value of wave and tidal power as a sustainable source of renewable energy. Founded in 2003, EMEC is the first centre of its kind to offer developers of both wave and tidal energy converters the opportunity to test in the waters around Orkney, Scotland.

EMEC provides full scale grid connected test berths at its 2 main sites; 8 berths at the tidal and 6 at the wave site all of which are contracted. EMEC's test sites attract developers from all around the world who require facilities to prove what is achievable in some of the harshest marine environments, whilst in close proximity to sheltered waters and harbours: to date, more devices have been tested at EMEC than any other single site in the world.

EMEC has also worked hard to ease the path to market for marine renewable developers by building two scale test sites – helping to close the gap between testing in a wave or tidal tank and bringing full scale prototypes to trial in real sea conditions. The nursery sites allow developers to test smaller scale devices in less challenging conditions to those found at the full-scale test sites.