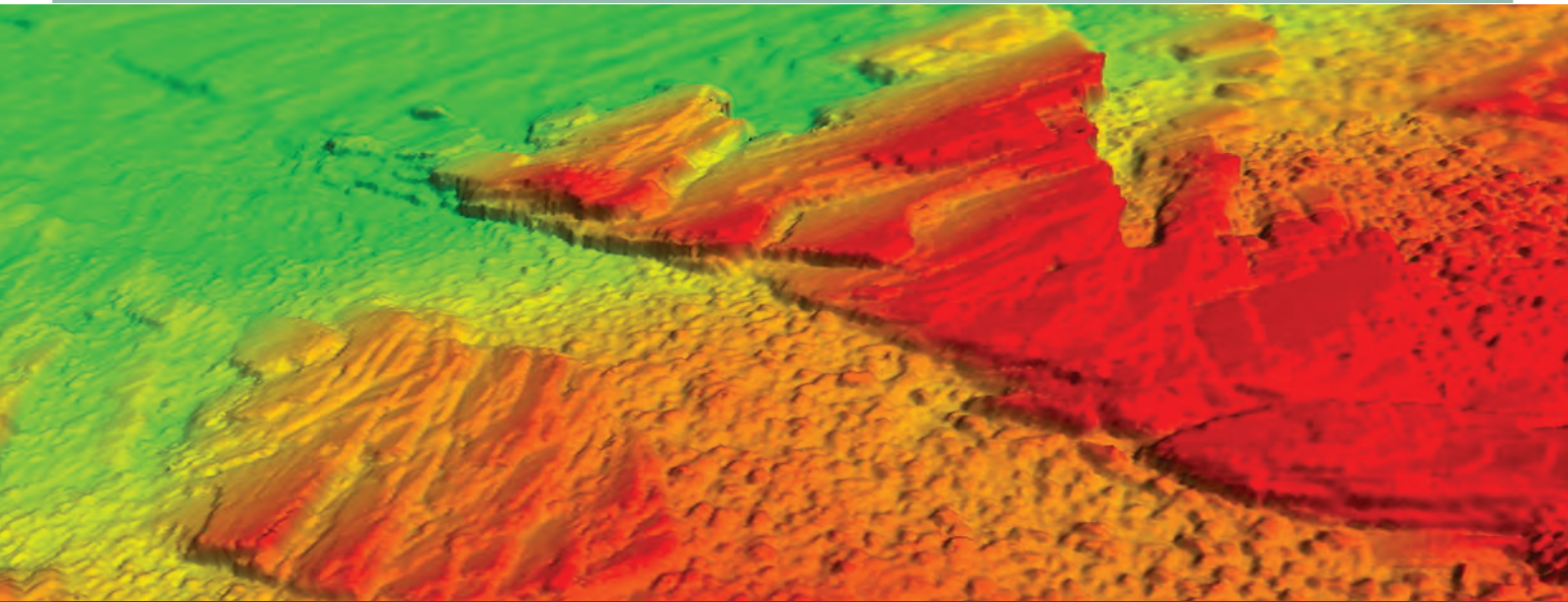


# research

and development opportunities



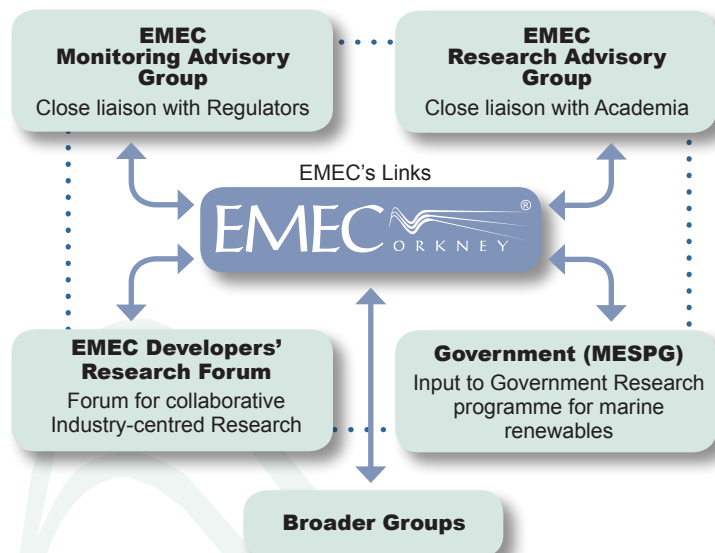
**The European Marine Energy Centre enjoys a strong record of facilitating research through links with technology developers, academia, regulators and government and so is uniquely placed to further marine renewable research projects which address real industry needs.**

**The marine renewables industry is developing close to the limits of understanding of the interactions between devices and the energetic, biologically rich marine environments in which they are deployed. Novel, targeted research is therefore essential to the successful development of the industry. EMEC's policy encourages participation in appropriate research in support of both the marine renewable sector in general, and the developers testing at its sites in particular.**

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# Research and development opportunities

**EMEC has established productive links to industry (EMEC customers and wider industry groups), government (Scottish, UK), regulators (Scottish, wider UK, USA, other European), and academia (UK, EU and, increasingly, USA). EMEC is therefore already well established as the key independent site for marine renewable research.**



Through close engagement with the Monitoring Advisory Group and MESPG, research at EMEC is actively helping to inform government strategies. Liaison with the Research Advisory Group ensures research at EMEC is always at the forefront and meeting developers' requirements. EMEC has established the Developers' Research Forum to facilitate collaboration between developers at EMEC in addressing research areas of mutual interest.

EMEC has facilitated a wide range of environmental and hydrodynamic modelling research projects which have thus far been driven primarily by regulatory and monitoring requirements.

Today, EMEC has successfully supported the deployment of more grid-connected devices at both of its full-scale sites than any other single site in the world. The valuable operational and regulatory expertise EMEC has accumulated is now widely recognised and respected. Together with the high level of capability demonstrated in the research projects it has been involved in to-date, EMEC is now a sought-after partner in high-profile research projects.

As the most advanced marine renewable test centre in the world, EMEC will continue to utilise these vehicles and build on its strengths in environmental research to extend its offering into areas such as engineering and technical research in line with the needs of its developers and industry.

## International Projects

EquiMar  
MARINET  
Oregon Wave Energy Trust  
International Energy Association  
Ocean Energy Systems

## Site Specific Projects

Wildlife Observations  
Acoustic Characterisation  
Fisheries Interaction  
Met Ocean Research  
Orkney Resource Model

## UK Projects

ReDAPT  
PerAWaT  
RESPONSE  
FLOWBEC  
EBAO

## Scottish Projects

Marine Renewable Licensing Manual  
WEC/TEC Environmental Impacts Review

