

KEY PERSONNEL

Heriot-Watt University

Prof. Jonathan Side, Director of ICIT, Inst. of Petroleum Eng.
Dr. Melissa Bowen, Inst. of Petroleum Eng.
Colin Bullen, ICIT, Inst. of Petroleum Eng.
Prof. Patrick Corbett, Head of Inst. of Petroleum Eng.
Dr Rob Harris, ICIT, Inst. of Petroleum Eng.
Prof. Paul Jowitt, Scottish Inst. of Sustainable Technology
Dr Sandy Kerr, ICIT, Inst. of Petroleum Eng.
Dr P.K Pandian, ICIT, Inst. of Petroleum Eng.
Dr. Karl Stephen, Inst. of Petroleum Eng.
Prof. Bahman Tohidi, Inst. of Petroleum Eng.
Prof. Jim Wallace, (Honorary Professor)
Dr. Peter Woodward, School of the Built Environment
Kate Bullen (Administrator), ICIT, Inst. of Petroleum Eng.

UHI Millennium Inst.

Prof. Stuart Gibb, Director, Environmental Research Inst., North Highland College
Dr. Jim Chalmers, Orkney College
Prof. Frank Rennie, Lews Castle College
Dr Mark Shields, Environmental Research Inst., North Highland College
Dr. David Woolfe, Environmental Research Inst., North Highland College

The Universities of Glasgow and Strathclyde

Prof. Nigel Barltrop, NA-ME
Prof. John Fletcher, Inst. of Energy and the Environment, University of Strathclyde
George Ap. Mermiris, NA-ME

The University of Edinburgh

Prof. Ian Bryden, Inst. for Energy Systems
Dr Scott Couch, Inst. for Energy Systems

The University of Sheffield

Prof. Lucy Wyatt

Cardiff University, Wales

Dr Hance Smith

The UCLA, USA

Prof. Climis Davos

University of Portsmouth

Prof. David Whitmarsh

Stanford University, California

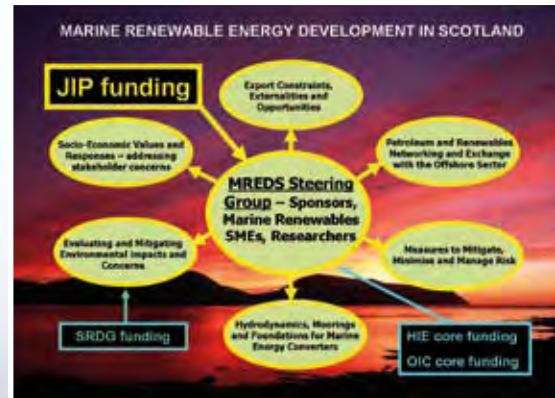
Prof. Margot Gerritsen

Orkney Renewable Energy Forum

Dr. Gareth Davies (Chair)

TOTAL E&P

Dr. Olivier Dubrule



FURTHER INFORMATION:

Please contact us through our website:
www.mreds.co.uk or email one of the above.

You can also phone 01856 850605 for further information,
or write to us at ICIT, Old Academy, Stromness, Orkney,
KW16 3AW.



MARINE
RENEWABLE
ENERGY
DEVELOPMENT
IN SCOTLAND

*an opportunity to become
involved in marine renewable
energy research*





THE ORKNEY FACTOR

With its own considerable wave and tidal resource and an unparalleled level of local expertise, Orkney is fast emerging as the global centre of excellence for the marine renewable industry.

For many years, Orkney has been home to the International Centre for Islands Technology (ICIT forms part of Heriot-Watt University's Institute of Petroleum Engineering), established to carry out advanced research, postgraduate training and consultancy in marine resource management and related issues, with renewable energy research as a key area of specialist interest.

In 2004 the European Marine Energy Centre (EMEC) opened to provide testing facilities for marine energy prototypes.

As a result of both ICIT and EMEC activities, there is now a considerable amount of marine renewable energy expertise in Orkney, whether within these organisations or in the various spin-off businesses that have emerged.

Already, Scotland can claim the following global achievements in Orkney:

- First test facility for full scale marine energy devices
- First grid connected tidal flow energy device
- First grid connected onshore/offshore wave power device

MARINE RENEWABLE ENERGY DEVELOPMENT IN SCOTLAND

(THE MREDS PROGRAMME)

To ensure that Scotland achieves its full potential by addressing the vulnerability of the sector, the MREDS programme has been developed by ICIT in Stromness, in association with a wide range of academic partners.

Six workpackages have been identified and developed:

Workpackages:

1. Export constraints, externalities and opportunities
2. Petroleum and renewables
3. Mitigation, minimisation and management of risk
4. Hydrodynamics, moorings and foundations
5. Environmental and ecological impacts
6. Socio-economic values and responses

In addition to the support of the Highlands and Islands Enterprise and Orkney Islands Council the project team has secured a £1 million Strategic Research Development Grant from the Scottish Funding Council. Further funding sources have been secured against other workpackages (e.g. EPSRC, DTI), with an active programme of research proposals underway.

Further information on each workpackage can be found on our website: www.mreds.co.uk where you will also find CVs for the researchers leading each research package.



MREDS AND INDUSTRY

ICIT is seeking Joint Industry Project (JIP) funding where £30k per sponsor per year (£150K for 5 years) will enable the development of key research strands within each of the workpackages, the development of further research proposals, and will draw in other key researchers from the university sector.

WHY GET INVOLVED?

The time is right for Scotland's energy companies to shift the focus of some of their research and development resources to renewables, and particularly marine renewables.

- In supporting the MREDS programme of research, you are accessing the best academic resources available to the marine renewables sector, and are contributing to world-leading research which will result in fundamental and essential changes to energy production.
- MREDS will provide important market intelligence giving you access to key stakeholders and an insight into future development pathways, opportunities and hurdles faced by this sector.
- By participating in MREDS your company will be associated with high profile research in a sector receiving unprecedented levels of public and political support, demonstrating your company's commitment to a low carbon future.

OUTCOME

Sponsorship provides the opportunity to shape the research programme as it develops, ensuring that the research is relevant to your company's future direction.

All research will be for open publication, but available in advance to all steering group members.

JIP sponsors will be represented on the Steering Group for MREDS.

Your company name and logo will be included in all news releases and newsletters relevant to the workpackage you sponsor. You will be invited to an annual steering group meeting and we will present our findings in a formal presentation to your company as well as hard copy of the finished document.

