



PRESS RELEASE

Aquaterra Energy undertakes research programme with Cambridge University

Aquaterra Energy Ltd is undertaking a Knowledge Transfer Secondment (KTS) scheme with the Computational Structural Mechanics Lab led by Dr Fehmi Cirak at the Cambridge University Engineering Department to assist with the development of their analysis services. Aquaterra Energy opened a Cambridge office in December 2011 and has been keen to build links with Cambridge University which is one of the best universities in the world for engineering. Dr Andrew Lennon, who heads up Aquaterra's Cambridge office, presented a research seminar to the University's Engineering Department shortly after the office opened and the opportunity to work together soon transpired.

The EPSRC funded KTS scheme will support the secondment of one full-time Research Associate, Dr Thomas Rüberg, to facilitate knowledge transfer from Cambridge University to Aquaterra Energy. The chosen research subject is computational analysis of fluid-structure interaction. Aquaterra identified that the continuing drive for energy generation from marine sources has created new and distinct challenges for the engineering of riser systems and other subsea structures which Aquaterra Energy supplies. The project will push the level of knowledge at the company beyond what is possible with state-of-the-art engineering analysis software that Aquaterra Energy uses.

Aquaterra will benefit from the secondment through access to world-leading research and expertise. The knowledge transfer will allow Aquaterra to improve the design of existing structures and to analyse newer structures. Dr Andrew Lennon said of the scheme, "The secondment scheme is particularly useful for Aquaterra as it provides a deeper exchange of knowledge than is possible through a consultancy assignment or through an internal project."

The scheme will also enhance Cambridge University Engineering Department's industrial links in computational structural mechanics and will help to identify avenues for further research.

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About Aquaterra Energy Ltd

www.aquaterraenergy.com

- Aquaterra Energy Ltd specialises in offshore engineering solutions for the international oil & gas industry, providing services to more than 100 customers in over 35 countries worldwide
- The company has offices in Aberdeen, Cairo, Cambridge, Houston, Kuala Lumpur and Norwich
- Aquaterra Energy's services are provided via three business streams:
 - **Riser Systems:** Riser Analysis; Subsea Riser Systems; Surface Riser Systems; Connectors; Pipeline Risers; VIV Suppression Systems; Tieback Engineering; Centralisers
 - **Offshore Structures:** Sea Swift Platforms; Subsea Drilling Templates; Subsea Protective Structures; Tension Decks; MOPU Wellbay Modules; Conductor Slot Addition; Bespoke Offshore Structures
 - **Service and Rental:** SUREgrip Tension Ring; PROten Riser Tension System; Rig Floor Tension System; Conductor/Riser Tensioning Unit; Cement Top Up Systems; Aquascope Subsea Camera Systems; Disposable Camera Systems; Conductor Slot Recovery; Conductor Whipstocks; Rental Tools; SUREcut Cold Cutter; PDQ Drill String Connectors; Trash Caps; Heavy Lifting Equipment; Gyroscopes
- Aquaterra Energy received a Queen's Award for International Trade in 2009.