

North of Scotland KTP Centre Case Study

Knowledge
Transfer
Partnerships

Aubin Ltd

This KTP, awarded the highest grade of Outstanding by Innovate UK, developed the engineering application knowledge to deploy Aubin's patented DeepBuoy pumpable buoyancy technology.



Challenge

Starting shortly after a significant downturn in the oil and gas industry, the KTP allowed Aubin to assess alternative product areas and markets, providing a more sustainable future for the company. The company did not have an engineering department at the outset of the project, so had been unable to design, specify and manufacture their concept.



aubin

Aubin supply innovative chemistry-based technology to the Oil and Gas industry.

Results

The KTP achieved its main outcome of designing a Self-contained Underwater Modular Lifting System (SUMLS) and identified a subsea engineering partner to manufacture the SUMLS. A demonstrator was successfully built and demonstrated and the potential market was confirmed, with potential clients interested in a larger prototype. Additional collaboration is planned between the partners and with the new Oil and Gas Technology Centre (OGTC).

"If you have an idea that your company does not have the expertise to realise to its full potential, I would highly recommend looking into KTPs. It is a fantastic way of running a project."

Callum Scullion
Product Development Manager

Benefits

In addition to developing the SUMLS, the KTP has embedded an understanding within the company of fluid mechanics and engineering drawing standards, as well as confidence in the product. A potential investor approached Aubin following a talk on this technology. The KTP was one of the factors leading to a £40million partnership with OGTC to establish a Centre of Excellence in Decommissioning at University of Aberdeen. The KTP was awarded grade A (Outstanding) and the KTP Associate, Sergi Arnau Almirall, was shortlisted for a Rising Star award at the 2019 Interface Scottish Knowledge Exchange Awards.

Innovate UK