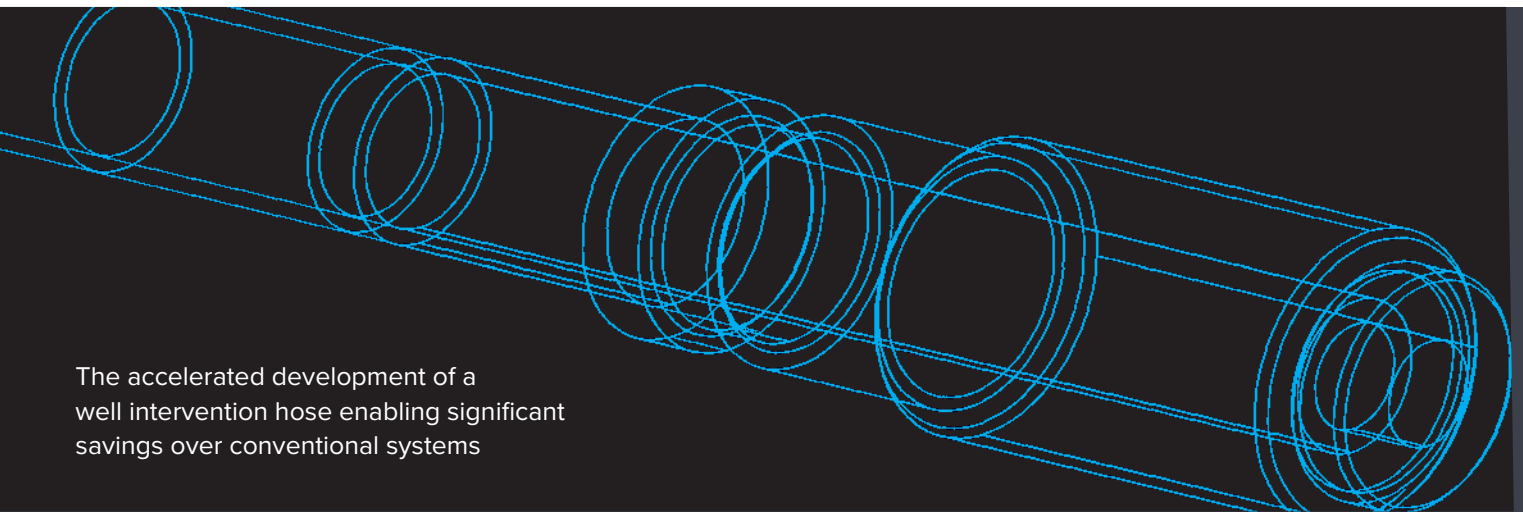


## Well Intervention Hose



The accelerated development of a well intervention hose enabling significant savings over conventional systems

**Hydrasun is a leading specialist provider of integrated fluid transfer, power and control solutions to the energy, petrochemical, marine and utilities industries worldwide.**

The company has a track record for successfully delivering flexible hoses, hydraulic components, integrated instrumentation packages, umbilicals, extruded solutions and integrity management services worldwide.

**“This innovative work has enabled Hydrasun to start early engagement with key customers.”**

Maximising the production of oil and gas from subsea wells is a critical activity in the Oil and Gas Industry as the number of new oil field discoveries diminishes.

A key factor in maximising the economic recovery of hydrocarbons is to keep the well, and its associated control equipment, clean and free from restrictions or blockages such as hydrates or wax, which can reduce production rates. This is traditionally carried out by performing a light well intervention utilising a rig and steel coiled tubing to pump cleaning fluids into the well, the overall costs of which can be significant.

A lower cost alternative is the use of a vessel with specialist deck equipment. However, further reductions in costs are critical, particularly in light of the current challenges faced by the Oil and Gas Industry, which has led to the accelerated development by Hydrasun of a well intervention hose that enables significant savings over conventional systems.

Hydrasun engaged with OGIC to support the development of this new technology and selected Strathclyde University to be its academic partner. The work proposed and carried out by Strathclyde formed the basis of an extensive qualification programme of this complex fluid transfer technology.

The work involved destructive and fatigue testing of samples to fully characterise their properties. The outputs from these tests provided Hydrasun with valuable information on the products performance capabilities over a range of simulated operational conditions.

**“It took us two months from inception to application and completing commercials and four months of testing, analysis and reporting.”**

**“The funding process with OGIC proved to be incredibly quick and responsive and made the whole process very easy. OGIC were an effective and efficient partner supporting Hydrasun to develop this technology.”**

**Ben Coutts**

Director of Engineering and Research & Development  
Hydrasun

**“Innovative design in flexible composite construction presented significant challenges, both in experimentation and simulation. The facilities and expertise at Strathclyde proved to be an excellent match for the initial qualification stages of this new product.”**

**Dr James Wood**

Department of Mechanical and Aerospace Engineering  
Strathclyde University

**OGIC**  
Oil & Gas Innovation Centre

[www.ogic.co.uk](http://www.ogic.co.uk)

