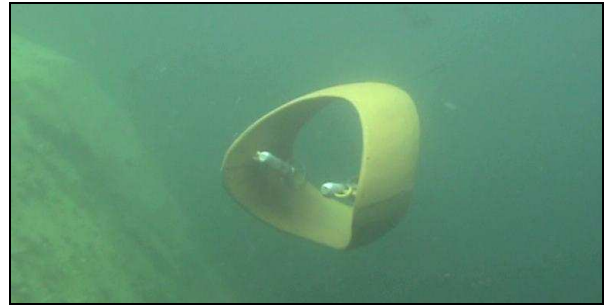


Breakthrough Ocean Sensor Grid Technology By GO Science Offers Low Cost, High Fidelity Seismic & CSEM Surveys



In 2007 GO Science completed feasibility and research studies on its innovative Ring Hydro Vessel Agent Under-liquid (RHyVAU) mobile sensor grid concept, including early in water demonstrations. The results from this successful work show major cost reductions when compared to 4C/4D ocean bottom cable (OBC) and ocean bottom sensor (OBS) seismic survey technologies, and further cost benefits in controlled source electromagnetic (CSEM) surveys. Furthermore GO Science predicts attractive cost savings by RHyVAU operation in other small to medium size 3D surveys, which of course are served today by wide azimuth towed streamer (WATS) operations.

RHyVAU captures full wave high fidelity 4C/4D data in difficult geological conditions where accurate reservoir imaging may otherwise be problematic, for example beneath salt tables, or gas clouds. Here we automate data collection on the sea bed across multiple RHyVAU nodes within a deterministic and reliable sensor grid.

A typical deep water seismic survey using legacy OBC or OBS technology might take nine to twelve weeks, would require two or three ships, and may cost up to ~£18M. However, if instead one deploys our RHyVAU mobile sensor grid, then: (i) the survey period reduces to six to nine weeks; (ii) large ROV assets, plus second and third ships become redundant; while (iii) survey costs would reduce dramatically.

RHyVAU delivers major benefits in Offshore Reservoir Survey:

- Better reservoir visualisation via P & S waves collected at the sea bed reduces customer risk.
- Rapid, simple deployment & recovery operations.
- Single survey ship deployment including seismic source equipment.
- Cost and time reduction in Seismic, CSEM, or mixed Seismic / CSEM surveys.
- Eliminates large ROV assets.
- Better ship asset utilisation with less downtime during adverse weather.
- Safer deck operations.
- Mass reduction in RHyVAU nodes by unique design features.
- Better endurance in RHyVAU nodes by unique design features.
- Cost reduction in capital expenditure compared to legacy OBS, OBC, WATS survey technologies.

RHyVAU technology is highly innovative and unique with firm competitor barriers to entry. The company secured sponsorship for this concept from the South West Regional Development Agency (SWRDA) via the DTI grants for R&D scheme. Its status is at prototype, with UK and international PCT patent applications already filed, where GO Science owns the intellectual property. The company also intends to disclose further technology patents to consolidate further its strong position in this field.

GO Science seeks industry partners to accelerate the development of a sparse shallow water trials and demonstration system, where partners may also provide contributions in kind such as access to a survey ship and seismic source for sea trials, or post trials data analysis facilities for example.

The company envisages an 18 to 21 month programme to commercialise its RHyVAU OBS 4C/4D mobile sensor grid, where North Sea deployment in low node numbers within a sea trials framework will gather high fidelity full wave 3D data which will be processed for characterisation and benchmarking purposes. We will also assess the operability aspects throughout the sea trials period. In a later phase we will demonstrate large node numbers in the North Sea and Gulf of Mexico.

GO Science was founded in late 2002 by the CEO as an SME technology company providing innovative Smart Sensor services, products and expertise to blue chip customers within the marine, offshore and aerospace sectors. The company maintains office and laboratory facilities on campus at the University of Bristol. Professional skills include business and programme management, electronics, software and systems design, antennae, communications, sensors, autonomous vehicles, AIT and trials.

Our CEO emerged from a successful Executive career in BAE SYSTEMS with more than 20 man years experience in world class sea-bed node, CSEM and towed streamer sensor technologies, including operations, sea trials, and customer relationships in UK, North America, Europe, Latin America, Middle East and the Far East.

If you wish to express interest either in RHyVAU or this sponsorship opportunity, please contact:

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