

Multiconsult and Argeo Join Forces on Marine Survey Methods and Technology



Multiconsult and Argeo have entered into a strategic cooperation to significantly improve the quality of marine surveys and increase construction insight of the seabed conditions for large coastal development projects and offshore structures. The two parties have also invested in a Hugin autonomous underwater vehicle (AUV).

The objective for the cooperation is to deliver a digital 3D model that can follow the life cycle of any ocean space project. This applies from early-stage development, through operation to decommissioning and removal, and will result in a significant cost and environmental impact reduction.

The largest benefits will be for the construction of offshore wind installations, the aquaculture industry and major coastal infrastructure, as well as oil & gas facilities and equipment. A [Hugin AUV](#) and associated systems developed by Kongsberg Maritime Robotics have been purchased to help achieve these goals. This is a small autonomous submarine (robot) that can be used for underwater missions. The AUV has an attractive electrical range and data resolution from 2-4cm and can be used at great depths. The vessel will be operated by Argeo.

Reducing Risk and Costs

The companies' joint digital ocean space initiative will provide new and unique insights into the early phase of project development and enable reduction in project risk, costs and environmental impact. In addition, the cooperation aims to provide integrated products on mapping and surveys that will minimize project risk related to uncertainty. The cooperation also includes the development of autonomous solutions for the collection of seabed habitat and environmental data.

"Multiconsult has been conducting ground surveys in coastal waters for many years. We have 20 years of experience with year-round operations of drilling boats along the entire Norwegian coast, positioned with both mooring systems and dynamic positioning. The new cooperation with Argeo allows us to offer mapping and surveys of large seabed areas and establish physical models in 3D that meet the needs of our industry for complete digital modelling," says Leif Olav Bogen, executive vice president of [Multiconsult](#).

By using seismic surveys and seabed scanning, the two companies can offer complete products that will improve the choice of solutions and help to manage the biggest risk factors in large projects.

"This agreement represents yet another important phase in the development of Argeo as a leading ocean space company with a focus on robotics and digital products. In addition to service deliveries and product development together with Multiconsult, we ensure permanent access to our first AUV to be used in conjunction with our advanced autonomous mapping and inspection concept – Digital Ocean Space," says CEO Trond Figenschou Crantz of [Argeo](#).

The parties see great synergies between Argeo's offshore and seismic expertise and Multiconsult's special expertise in basic research in geoengineering and the physical environment for coastal infrastructure. The companies have an ongoing cooperation on some projects and the experience of the commissions that have been completed indicates that, through further product development and integration, significant gains can be made for clients.