

Synthetic Aperture SAS for RNoN

EdgeTech has delivered a Synthetic Aperture Side-Scan Sonar for installation on a Hugin 1000 AUV; pending Sea Acceptance Tests the system is to be delivered to the Royal Norwegian Navy (RNoN) via the Norwegian Defense Research Establishment (FFI). The Hugin 1000 with EdgeTech SAS sonar will be used for applications in Mine Counter Measures (MCM) and Rapid Environmental Assessment (REA).

Kongsberg Simrad, using a test Hugin AUV during the last part of 2003, has conducted successful in-water tests of EdgeTech SAS system. This SAS sonar is a 120kHz version with six 20cm sub-elements in each array. Along-track resolution is 10cm, independent of range. The system is designed for the power, weight and size constraints of AUV installations and can be deployed to full-ocean depth. EdgeTech also plans to offer SAS systems for ROV and towed platforms. Uses of Synthetic Aperture Side-Scan Sonar include mine search, rapid environmental assessment, search and recovery, hydrographic surveys, and cable and pipeline survey.

<https://www.hydro-international.com/content/news/synthetic-aperture-sas-for-rnon>
