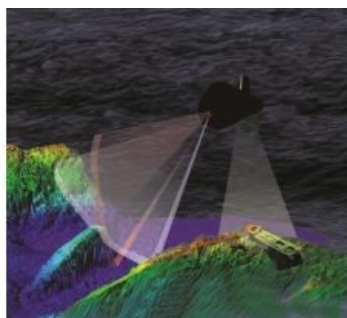


# Kongsberg Sonar and Multibeam Systems for Swedish Submarines



Defence and security company SAAB, Sweden, has selected a Kongsberg Maritime hydroacoustic package for installation on two Swedish A19 submarines. The delivery will consist of SA9510S mine avoidance and navigation sonar for submarines and the leading EM 2040 Dual RX multibeam echosounder.

The main purpose of the SA9510S sonar is to detect mines, obstacles and the sea-floor in a wide swath ahead of the submarine. The sonar generates target warnings or alarms with sufficient time available to perform an avoidance manoeuvre. It is a vital tool providing information to crew for bottom navigation purposes and for submerged navigation. The SA9510S sonar has the ability to detect and display the bottom profile in several selected horizontal directions in front of the submarine. Mine-seeking and submerged navigation

can be performed simultaneously.

The [EM 2040 Dual RX](#) to be delivered is an enhanced version of the leading EM 2040 multibeam echosounder system. The EM 2040 Dual RX features two TX-Transmitters and two RX-Receiver and is designed for mapping in shallow areas at higher speed. It will provide A19 crews with accurate survey data and excellent range performance (both depth and swath width) at the highest resolution available in the market.

Thomas Hostvedt Dahle, product sales manager Naval sonars in Kongsberg Maritime, says that with this sonar solution selected for both the Swedish submarines and Norwegian submarines, Kongsberg Maritime will have delivered active navigation sonars to the two leading submarine nations specialising in operation in shallow water.