

# REMUS 600-S to Exceed IHO Standard



Hydroid, USA, announced the REMUS 600 Survey (REMUS 600-S) at the XVIIIth International Hydrographic Conference (IHC) in Monaco. The REMUS 600-S is a high-performance version of the REMUS 600 AUV and features advanced technology that has only previously been available in Kongsberg's HUGIN vehicles, making it ideal for applications such as International Hydrographic Organization (IHO) quality surveys.

Specifically, the REMUS 600-S incorporates a Kongsberg EM 3002 Multibeam Echosounder (MBES) operating at 300 kHz. The MBES has previously been shown to exceed the feature-detection requirements of the IHO standard S-44 for Order 1a surveys.

The vehicle also features Kongsberg's Navigation Processing Suite (NavP), which improves timing accuracy to 1ms or better and provides complete time synchronisation of all onboard sensors, and the Navigation Laboratory (NavLab) software, enhancing the NavP by increasing navigational integrity.

The REMUS 600-S benefits United Nations Convention on the Law of the Sea (UNCLOS) surveys, search and recovery operations, emergency response surveys, rapid environmental assessment and military survey operations by providing a transportable and reliable platform to gather high resolution data. The vehicle comes equipped with a full suite of communications options, including Iridium, WiFi and acoustic communication, Hydroid's flexible Vehicle Interface Program (VIP) and an EdgeTech 2200-S Sidescan Sonar.

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