

# REMUS 100-S AUV for Offshore Survey



Hydroid has announced its new AUV, the REMUS 100-S, at the Shallow Survey Conference in Wellington, New Zealand. The 100-S is an evolution of the REMUS 100 system configured specifically for hydrographic and offshore surveys. The REMUS 100-S features the Kongsberg Inertial Navigation System, which includes a Honeywell Inertial Measurement Unit (IMU), the NavP navigation processing suite, and a payload processor, which is used to initialise and control all sensors.

The 100-S also features a new Vx Works Operating System, updated version 7.0 of VIP software, a field-replaceable antenna, a precision GPS sensor and 1 GBit Ethernet, allowing users to download data at high speeds.

The REMUS 100-S is compatible with industry-standard post-processing software packages including Kongsberg's Reflection and NavLab. Reflection is available to process data from the vehicle's core module, side scan sonar and GeoSwath interferometric sonar. NavLab is used with NavP to post-process navigation data to deliver higher accuracy position data. To differentiate the 100-S from the standard REMUS 100, the entire body of the AUV is painted yellow.