

AUVs for Search and Recovery



Teledyne Gavia, Iceland, has recently delivered two Gavia AUVs to the Turkish Air Force through a contract with the Turkish government support and procurement company Savunma Teknolojileri Muhendislik Ve Ticaret A.Åž (STM). The 1,000m rated Gavia AUVs will be utilised for Search and Recovery applications and will provide the Turkish Air Force with highly effective deep water,

rapid response capability from a man portable AUV system.

The Gavia systems as delivered to the Turkish Air Force are equipped with survey grade side-scan sonar, cameras, and utilise a high accuracy Doppler Velocity Log (Teledyne RD Instruments, USA) aided Inertial Navigation System for subsea positioning. Additionally the vehicles are being provided with both LBL and USBL systems (Teledyne Benthos, USA) to better enable accurate navigation during deep operations.

The Gavia AUV is an autonomous sensor platform that is user configurable by the addition of one or more sensor, navigation or battery modules by means of a unique twist lock system. The Gavia is a fully low logistics modular system designed to be operated from vessels of opportunity and has the greatest depth rating of any vehicle in its class. Gavia AUV systems have been utilized in real world Search and Recovery missions including the AirAsia Flight QZ8501, numerous operations from naval users and the Icelandic Coast Guard.