



Press Release

Array Delivers an Open Architecture Underwater Acoustic Analysis System for the German Navy

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Array is pleased to announce that it has delivered the Underwater Acoustic Analysis System (UAAS) to Bundesamt für Wehrtechnik und Beschaffung (BWB), Germany. The UAAS was installed at the German Navy Hydroacoustic Analysis Centre (HAM) and is in operation at HAM after a successful on-site acceptance. UAAS is used by the sonar analysts at HAM to analyze passive and active sonar data from a number of submarine and surface vessels.

The UAAS is Array's third generation shore-based sonar post analysis system. It is based on Array's scalable Generic Signal Processing (GSP) architecture. It provides a comprehensive suite of signal processing tools, displays and an integrated database. The system is very adaptable and flexible. The design allows for algorithm customization using software modules called Generic Signal Processing Blocks (GSPBs). The customer can plan for system growth and sophistication as these modules allow UAAS to be reconfigured to accommodate data received from newly installed sonar, hydrophones and sonobuoys. Users can add their own software modules to meet specific needs, which is an important feature for processing classified data.

The UAAS was designed to analyse the sonar records of the new U212A submarines as well as records collected by the U206A submarine, Maritime Patrol Aircraft and fleet vessels. The system can be expanded to include the records from F123 and F124 frigates.

When referring to the UAAS as scalable, this describes the ability of the control software to

recognize and utilize the system's available processors. The effective data processing rate may be increased with the addition of processors, without a need to re-write or re-compile the software.

Array's Scalable GSP is suitable for other computationally intensive signal processing applications including: synthetic aperture radar, remote sensing, and high fidelity real-time simulations.



U212A Submarine (German Navy)
Source: Howaldtswerke-Deutsche Werft AG (HDW)

Adoption of the UAAS featuring Array's scalable GSP puts the German Navy in the forefront of the international movement to adopt Open System Enabling Technology.

For more information about Array's current and future technology, contact us at:

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