The Latest from CTG

The Chelsea Technologies Group is launching the COVELIA correlation velocity Log at OI. COVELIA has been developed to provide Autonomous Underwater Vehicle (AUV) and ROV navigation systems with a highly accurate speed-over-ground velocity measurement. This instrument is designed to replace conventional Doppler velocity logs, which can be particularly inaccurate at the low speeds which AUVs operate.

The COVELIA system comprises a multiple element transmit and receive array and a small electronics package to perform the digital signal processing. The array incorporates over 20 individual transducers to perform the complex multiple transmissions and simultaneous multiple element receive functions required for the advanced correlation calculations. A state of the art Digital Signal Processor provides velocity over the seabed and vector information for the AUV's navigation system. Echo sounder (depth below transducer) information is also supplied.

Also this week CTG has secured a contract with Sonar Equipment Services (stand 608) to supply a further ten CTG1356 composite sidescan sonar arrays. These arrays use the latest in piezocomposite technology to create a sustained range capability, while significantly improving the image quality. Sonar Equipment Services will be incorporating these arrays into Sea PROBE - a stable hydrodynamic universal towfish which can be used for cable route surveys, deep water site investigation, pipeline survey and wreck location. The units will have an increased depth rating to 3000m.

CTG supplies the Sonar 2115 military oceanographic system for integration into the Royal Navy's latest Astute class of submarines â€“ on display at OI. Sonar 2115 consists of a number of multiparameter sensor suites mounted externally to the hull which can interface with an inboard data display and storage unit. The Command is presented with a clear and concise display of the oceanographic environment in real time. This enhances the submarine commander's ability to monitor and tactically exploit his operating environment.