

The Yearbook

# MARINE TECHNOLOGY

R E P O R T E R

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## CodaOctopus Group, Inc

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CEO/President: Jason Reid

VP, Americas: Anthony Davis • VP, Europe: Geoff Turner

Number of Employees: 99

**Annual Sales (US\$): \$13.9m**

CodaOctopus Group, Inc. is engaged in 3D subsea technology and is the developer and patent holder of real time 3D sonar products, playing a critical role in the next generation of underwater port and harbor security and terrorism prevention. It produces hardware, software and fully integrated systems that are sold and supported on a worldwide basis. Operations are primarily in two distinct market segments: marine geophysical survey and underwater defense/security. With a focus on oil and gas, construction, oceanographic research and exploration, customers include survey specialists, research institutions and dredging, construction and salvage companies. The wide range of Coda and Octopus branded products encompasses geophysical data collection and analysis, thermal printing and precision attitude and positioning sensing. In the field of maritime security we work with ports and harbors, state and federal government agencies and defense contractors. With the Coda Echoscope, a unique, patented instrument that supplies accurate 3D visualization, measurement, data recording and mapping of underwater objects, continued development has led to the Coda Underwater Inspection System (UIS). Intensifying its focus on port security, recent subsidiary company, The Port Security Group is an authority on maritime security projects, defining and guiding system design and project

management. Two engineering services subsidiaries, Martech Systems (Weymouth) Ltd, (UK) and Colmek Systems Engineering, (US), enable the company to provide engineering services to a wide variety of clients in the subsea, defense, nuclear and pharmaceutical industries. These engineering capabilities are increasingly being combined with our product offerings, bringing opportunities to provide complete systems, installation and support.

**Technology Profile:** The Coda Underwater Inspection System (UIS) is reportedly the world's first and only fully integrated high-resolution real time 3D inspection system. It is designed to deliver precise and intuitive 3D images in real time and is designed to inspect large areas with 100% coverage and 98% probability of detection. The UIS is built on the knowledge gained in the development and testing of a Mobile Inspection Package which was developed in collaboration with the Center for Ocean Technology, USE, with funding from ONR and USCG. At the heart of the UIS is the unique Echoscope real time 3D sonar incorporating its cutting edge phased array technology to simultaneously generate more than 16,000 beams. This results in an instant three-dimensional sonar image where the position of every data point is accurately known, producing detailed images from a single sonar ping. To ensure accurate positioning the Echoscope is integrated with the Octopus F180 in the UIS, giving precise attitude and positioning data at accuracies of up to 10cm, with heading better than 0.05°. This ensures that all data is correctly geo-referenced, enabling real-time mosaicing as well as quick relocation of areas of interest.

**CodaOctopus Group is a developer and patent holder of real time 3D sonar products, led by CEO Jason Reid.**

