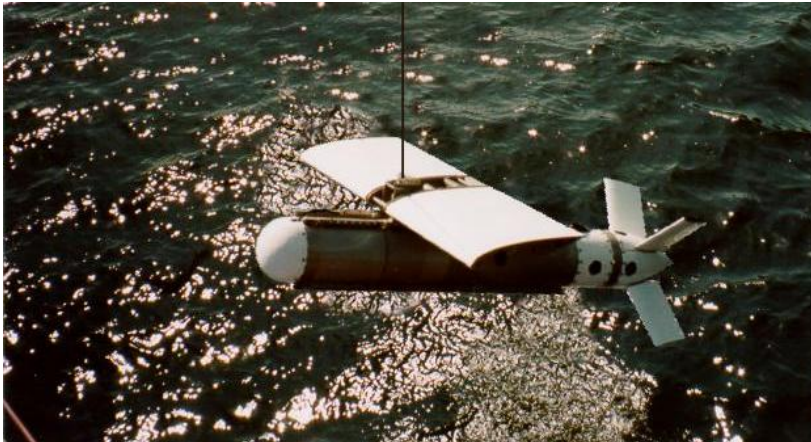


13 February 2013

## ROYAL CANADIAN NAVY TO USE ISE AURORA TOWFISH

International Submarine Engineering Ltd has received an order for two Aurora Towfish to be integrated with Canadian ships.



Aurora Towfish



Towfish and Remote Minehunting System (RMS) DORADO

ISE is pleased to announce the award of a contract from MacDonald, Dettwiler and Associates Ltd. (MDA). ISE will provide two commercial off-the-shelf, high speed Aurora Towfish, which will be used to support mine detection missions and route survey operations for the Royal Canadian Navy's Maritime Coastal Defence Vessels. The Aurora towfish will include modifications to integrate new sensors and navigation equipment, including an L3 Klein sidescan sonar, and an R2Sonic bathymetric multibeam echosounder. The modular design of the vehicle makes it a simple matter to exchange sonar payloads.

The Aurora towfish has been proven as a viable component of the Royal Canadian Navy's Route Survey system. In conjunction with the Dorado Semi-submersible Technical Demonstrator, Aurora has been used in many sea operations and evaluations since 1999. Further capabilities of Aurora were demonstrated during an evaluation in Esquimalt January 2008. There, Aurora was integrated and tested with the HMCS WhiteHorse Route Survey System Payload. Trials in Saanich Inlet, and approaches to Esquimalt Harbour demonstrated Aurora's capability to deploy various sonar modules in operational survey conditions.



DOLPHIN Semi-Submersible and Aurora Towfish

The towfish is active in the sense that it can maintain horizontal position and depth as well as avoid obstacles. Each towfish possesses its own controller. Earlier towfish have been fitted to variants of the DORADO Remote Minehunting System (RMS) for more than a decade.

### International Submarine Engineering Ltd.

ISE was formed in 1974 to design and build underwater vehicles. Based just outside Vancouver, Canada, ISE has delivered 240 vehicles and over 400 robotic manipulators to more than 20 countries around the world.

The ISE family of vehicles includes AUVs, ROVs, submersibles, semi-submersibles, and active towfish. ISE also has a robotics capability, having built underwater manipulators for a variety of functions and land based robotic systems for various applications ranging from intervention in hazardous environments, automated refueling and the robotic manipulator training systems for space.

The Explorer family of AUVs was introduced in 2003 and follow previous ISE AUVs including ARCS and Theseus. Explorer is a modular vehicle that can be configured for commercial, scientific or military customers. It can carry a wide range of sensors and has endurance options ranging from 12 to 85 hours. It has developed a reputation as a reliable, stable and flexible sensor platform and in total, ISE AUVs have completed more than 120,000 kilometres of surveys.

ISE's ROV product line forms one of the core elements of its overall business structure. ISE has designed and built ROVs for commercial, scientific and military applications. ISE's ROVs can be delivered in standard and custom configurations to meet a customer's requirements from 5 to 600HP and up to 6000 meters in depth.

For more information please contact:



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