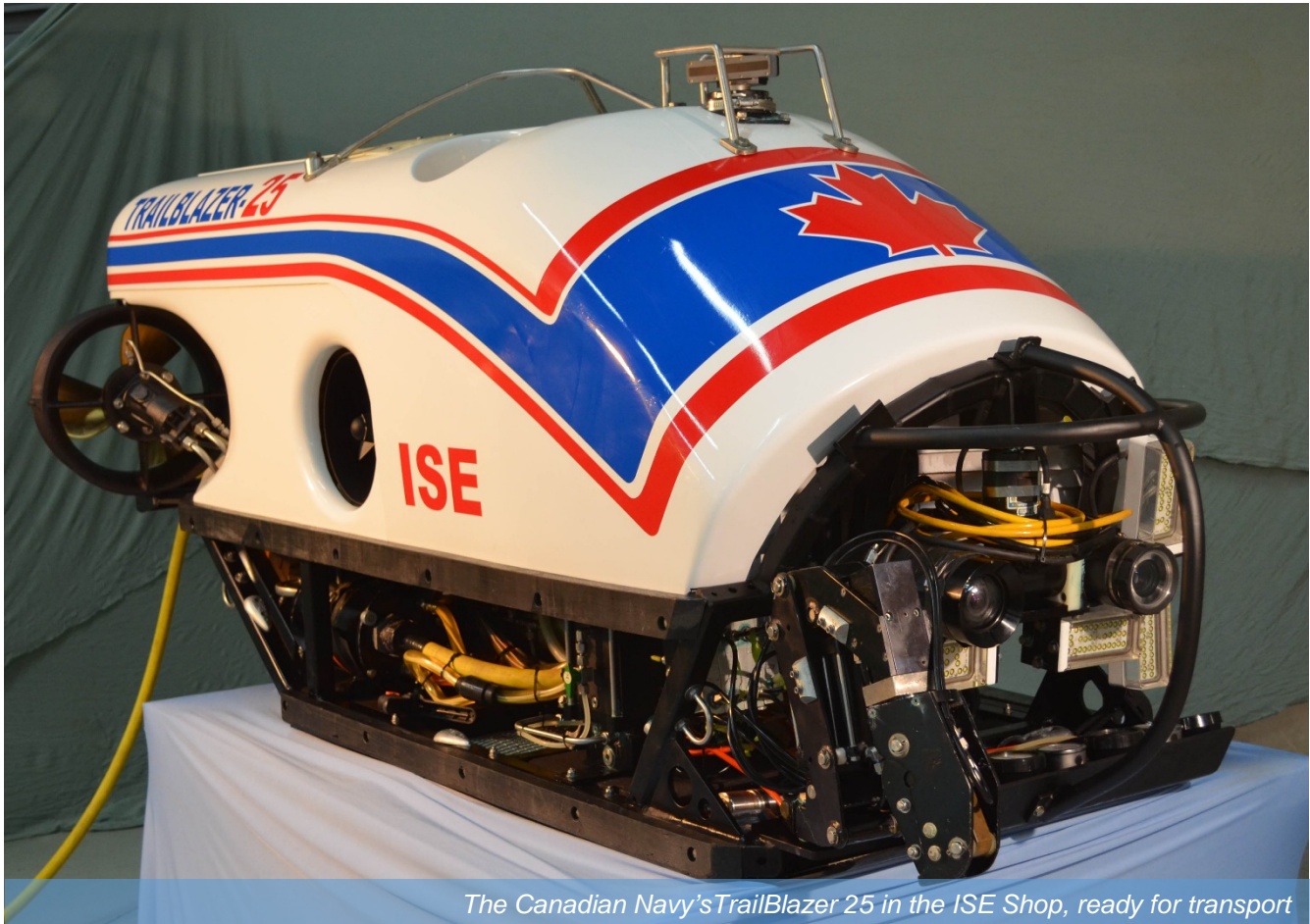


CANADIAN NAVY'S TRAILBLAZER MINE COUNTERMEASURES (MCM) ROV REFIT

The Canadian Navy's Mine-Countermeasures (MCM) Remotely Operated Vehicle (ROV) is ready to be returned to the customer after its recent refit by International Submarine Engineering Ltd.



The Canadian Navy's TrailBlazer 25 in the ISE Shop, ready for transport

TrailBlazer, a 25 HP vehicle is a testament to ISE's longstanding service to a system. It has been in operation with the Canadian Navy since 1995. TrailBlazer 25 is within a non-expendable family of ISE MCM ROVs that are capable of detecting long or short tethered mines as well as bottom mines. TrailBlazer is the only MCM ROV capable of breakouts, utilizing the streamlined ROV at high speed. TrailBlazer is also equipped with a mini 5-function manipulator and a cable cutting tool, well suited for its compact frame.

The relationship between Canada's naval staff and ISE is a long one - one that makes it a quick turnaround time when the vehicle is in for a refit. Transferring the technical system knowledge for a vehicle like TrailBlazer is something ISE staff do quite regularly.

The configuration of this quick performing ROV is streamlined, which makes transporting and facilitating its component also a quick and easy procedure. TrailBlazer 25, its winch, control systems, and all peripheral equipment fits into one standard 20ft container for ease and speed of transport.

For ISE Project Manager Andrew Ronan, TrailBlazer 25 is his first refit of a vehicle. "Working on a legacy system like Trailblazer was an eye opening experience. It may not have all the features of a modern system, but I was amazed at how capable this system still is. Even at twenty years old, Trailblazer puts newer systems to shame on the mine range."

"I always get excited to work with our operators. Their feedback is invaluable to the continual improvement of our vehicles. The operators at the CN MCM team are some of the most experienced in the world and are a tremendous resource to the design team at ISE."

TrailBlazer 25 MCM ROV has proven its usefulness and continues to be a critical component in the CN's list of MCM equipment. The system provides a fully functional, transportable option for the Canada's Navy, ready for service when required.

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.

ISE's family of submersible military applications include TrailBlazer ROVs, Dorado/Dolphin Semi-Submersible AUVs and Aurora Towfish. New products are being added to the line of military applications. Please contact ISE for more details.



ISE's ROV Program Manager Andrew Ronan sits in front of TrailBlazer 25's control system and prepares the vehicle for a dive in the ISE test tank



For more information



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