



- +1-855-365-2188
- info@jsquared.com
- www.jsquared.com
- 4015 Carling Ave, Kanata, ON, K2K 2A3

Nova Scotia-based ESL Labs Inaugurates \$10M Facility Upgrades with a Visit from Premier Tim Houston

New Medium Weight Shock Machine, one of two in Canada, is among new equipment critical to advanced naval testing

Dartmouth Nova Scotia, July 17 2024 – Nova Scotia-based ESL Labs, Canada's best-equipped environmental and EMI/EMC test facility and subsidiary of J-Squared Technologies Inc., commemorated a multiyear, \$10M upgrade with a visit from Nova Scotia Premier Tim Houston. Houston's July 10th tour of the sprawling 30,000 sq. ft. Dartmouth facility and new infrastructure is a testament to the significance of the investment to the region and to Canadian military testing.

The new installations include a Medium Weight Shock Machine (MWSM)—one of only two in Canada and 19 worldwide—and a Walk-In Salt Cyclic and SO2 Corrosion Test Chamber used for testing above-deck items on warships and commercial vessels. The MWSM enables shock testing for shipboard machinery, equipment, systems, and structures, verifying the ability of shipboard installations to withstand the effects of nuclear or conventional weapons. Other significant new equipment includes a Large Base Motion Simulator to accommodate ship motion pitch testing, roll, heel and trim and other tests up to Sea State 6 (vessel moving through 4-6 metre waves), as well as a large Blowing Sand and Dust Simulator.

"Nova Scotia has a proud history with the Royal Canadian Navy, and I'm pleased to see this legacy continue through new innovations to support our defence industry," said Nova Scotia Premier Tim Houston. "As Canada puts a renewed focus on defence, ESL Labs is showing the world why Nova Scotia will continue to be a leader in marine and defence technologies."

The new infrastructure enables the MIL-STD certified test lab to conduct more comprehensive and large-scale testing for military installations including the River Class Destroyer program and other marine and defence products and systems.

"While this is a significant milestone in ESL Labs' evolution, this in no way means we've reached our destination," said Jeff Gibson, CEO of J-Squared Technologies. "We're committed to continued investment in talent and infrastructure to be North America's premium testing resource for the defence, marine, aerospace, and energy sectors."

ESL Labs provides high quality environmental, mechanical, chemical and electromagnetic product testing for the military, marine, oil and gas, aerospace and medical industries. Across mission-critical industries, ESL Labs helps customers meet stringent product qualification, certification, validation and regulatory requirements throughout a product's development stages. ESL Labs maintains a registered AS9100D Quality Assurance Program and provides both industry-standard testing and highly customized testing, complemented by J-Squared Technologies full product lifecycle support.

For more information on ESL Labs and its recent upgrades, capabilities and new equipment, visit ESL-Labs.com or contact us.

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About ESL Labs

For 25 years, ESL Labs has provided extensive environmental product and material testing, serving the requirements of the military, marine, oil & gas, and aerospace industries. A Military Spec Standard Lab, ESL Labs helps meet stringent product qualification, certification, validation and regulatory requirements throughout different product development stages and optimizes operational and market objectives. ESL Labs maintains a registered AS9100D (2016) Quality Assurance Program (based on ISO 9001:2015) and provides both industry-standard testing and highly customized testing.

About J-Squared Technologies

J-Squared Technologies Inc. has over 30 years of experience supporting and supplying the North American electronics marketplace. Each of our divisions offers specific skills and services to address our customers' product lifecycle requirements; from conceptualization, design, build and test to long-term in-service product support. Our core principle to exceed customer expectations, combined with our focus on continuous improvement, has resulted in extensive success across a wide range of industries and markets. For more information, please visit www.jsquared.com. Connect with J-Squared on LinkedIn.

Media Contact

Melanie Crandall
mcrandall@squared.com
310.739.0955