

# Ontario at Defense and Security Equipment International (DSEI) 2023

Ontario is where global giants expand their operations, and suppliers export the highest quality goods and services at competitive prices. Ontario's diverse and growing defence industry is home to private-sector companies, researchers, and innovators. The growth in Ontario's defence sector is focused on technological innovation, workforce skills development and manufacturing expertise.

## Meet Ontario's Delegates at Defense and Security Equipment International (DSEI) 2023

Ontario is bringing **six** companies as a part our delegation to this year's event.

### Event contact

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**Date:** September 12 - 15, 2023

**Location:** London, United Kingdom

## Participants

6 in total

### Akimbo Technologies Inc.

Akimbo's DEFENSA Marine inline plug-and-play solution (H/W and S/W) is designed to protect and heal existing military and commercial vessels in real-time as they are used without relying on a cloud connection. Applying its patented fault-tolerant computing solution in-vessel, the ship's internal NMEA 2000 (N2K) network is monitored and cleansed in real-time to safeguard against cyberattacks. Additionally, it functions without relying on, or delaying, a cloud connection. This means its solution works equally well in port as it does in the middle of the Pacific, in peaceful water or wartime conditions, or in wealthy regions versus those financially challenged. The solution can be easily serviced after installation with simple sparing and plug-and-play replacement. DEFENSA Marine can easily and affordably add to an existing ship already built and in use. Once installed, all DEFENSA devices are monitored, alerts displayed, and the system managed from a central console in the bridge or elsewhere on the ship.

DEFENSA's Embedded option (S/W only) delivers cyber resilience to ships and combat vehicles (autonomous or not) that are still in design. Its patented Embedded option can be co-located on existing engine control units (ECUs) to function similarly to the Inline option without our purpose-built hardware. Or, it can be designed on multiple ECUs to dynamically assign, revoke, and reassign processing authority to heal cyberattacks and to provide real-time critical application/subsystem redundancy without requiring a cloud connection.

Akimbo is completing a Canadian Navy-funded project and is about to conduct navy field testing in Canada.



[akimbotechnologies.com](https://akimbotechnologies.com)

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## Hepburn Engineering Inc.

Hepburn Engineering is the world leading Replenishment-At-Sea supplier with over 50 years of experience and 100 systems installed or under construction globally on over 35 vessels for fifteen navies.

Hepburn's Robots and Autonomous Systems (RAS) systems are tailored for each navy's unique needs including;

- Enclosed or Open Deck STREAM
- Dual liquid/solids or single stations
- Deployed solids systems to 2.5 tonnes
- Sliding padeyes, fixed and retractable
- Fixed and portable Kingposts
- Astern systems
- Land base training facilities and real-time operator training simulators

Hepburn's RAS systems are renowned for performance, durability, safety and ease of use. Hepburn sets the standard from which all other systems are measured with proven performance to sea state six and features industry-leading advanced electronic controls, state-of-the-art automation, and ergonomic operator control stations. Its aftermarket service model includes training, technical support, spares and repairs, refurbishment and upgrades to keep our systems operational and your crews fully trained for the vessel's life. -->

## ICOR Technology Inc.

ICOR manufactures high-quality, innovative, and cost-effective robots, tools and equipment for EOD and SWAT communities worldwide.

Incorporated in 2005, ICOR embodies:

- decades of engineering and manufacturing expertise,
- an acute understanding of the EOD/IEDD marketplace, and
- a strong desire to save and protect lives.

Based in Ottawa, Canada, ICOR is located near the national headquarters of the Canadian Department of National Defence and the Royal Canadian Mounted Police.

All ICOR CALIBER® robots are made on-site within its 27,500 square-foot manufacturing facility: from R&D, design and prototyping to machine shop, assembly and quality assurance. Many products are created based on customer feedback, enabling the company to constantly work on developing new—and even custom—solutions.

Strongly customer-focused and solutions-oriented, ICOR has earned the confidence of civilian law enforcement agencies worldwide. ICOR robots are used in more than 50 countries, including the United States, Canada, Mexico, Brazil, Colombia, United Kingdom, Estonia, Romania, Saudi Arabia, Egypt, China, India, Japan, and Thailand, and have even become the national training standard in some police training programs.

## Lemay.ai / Snowshoe.ai

Lemay.ai is an artificial intelligence (AI) consultancy that develops custom AI and machine learning (ML) solutions in defence and aerospace. Its data scientists and machine learning engineers have developed AI and ML solutions in situational awareness, decision support systems, video analytics, intelligence-gathering by interception of signals (SIGINT), autonomous vehicles, logistics, and document intelligence.

Its Snowshoe.ai solution unlocks organizational knowledge by allowing employees to ask questions and receive answers from the organization's documentation. It is used for maintenance, repair and overhaul (MRO) and maintenance, operations, and employee support.



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## Palitronica Inc.

Palitronica is pioneering physics-based cybersecurity solutions and provides cyber material and mission assurance (CMMA) for critical physical infrastructure. Its supply chain solution provides integrity assurance for electronics and software in the supply chain by identifying counterfeit, tampered, and altered electronics through its non-intrusive, non-destructive, unpowered, fully-black box echo response signal technology as well as unprecedented, closed-source, full-system backdoor identification. Palitronica’s solution targets the defence and critical systems supply chain with, for instance, assessing and auditing electronics for fighter jets.



[palitronica.com](http://palitronica.com)

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## Telesat

Igniting the Future of Connectivity, Today.

Backed by a legacy of engineering excellence, reliability and industry-leading customer service, Telesat Corporation (“Telesat”) (NASDAQ and TSX: TSAT) is one of the largest and most successful global satellite operators. Telesat works collaboratively with its customers to deliver critical connectivity solutions that tackle the world’s most complex communications challenges, providing powerful advantages that improve their operations and drive growth.

In addition to its state-of-the-art global, geostationary satellite fleet, Telesat Lightspeed™, its Low Earth Orbit network, will be the first and only local environmental observers (LEO) network optimized to meet the rigorous requirements of telecom, government, maritime and aeronautical customers. Telesat Lightspeed will redefine global satellite connectivity with ubiquitous, affordable, high-capacity links with fibre-like speeds. Telesat also provides industry-leading technical consultation and support services to satellite operators, insurers and other industry stakeholders around the globe.



[telesat.com](http://telesat.com)

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All figures are in Canadian dollars unless otherwise noted.  
Information is accurate at the time of publication.

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