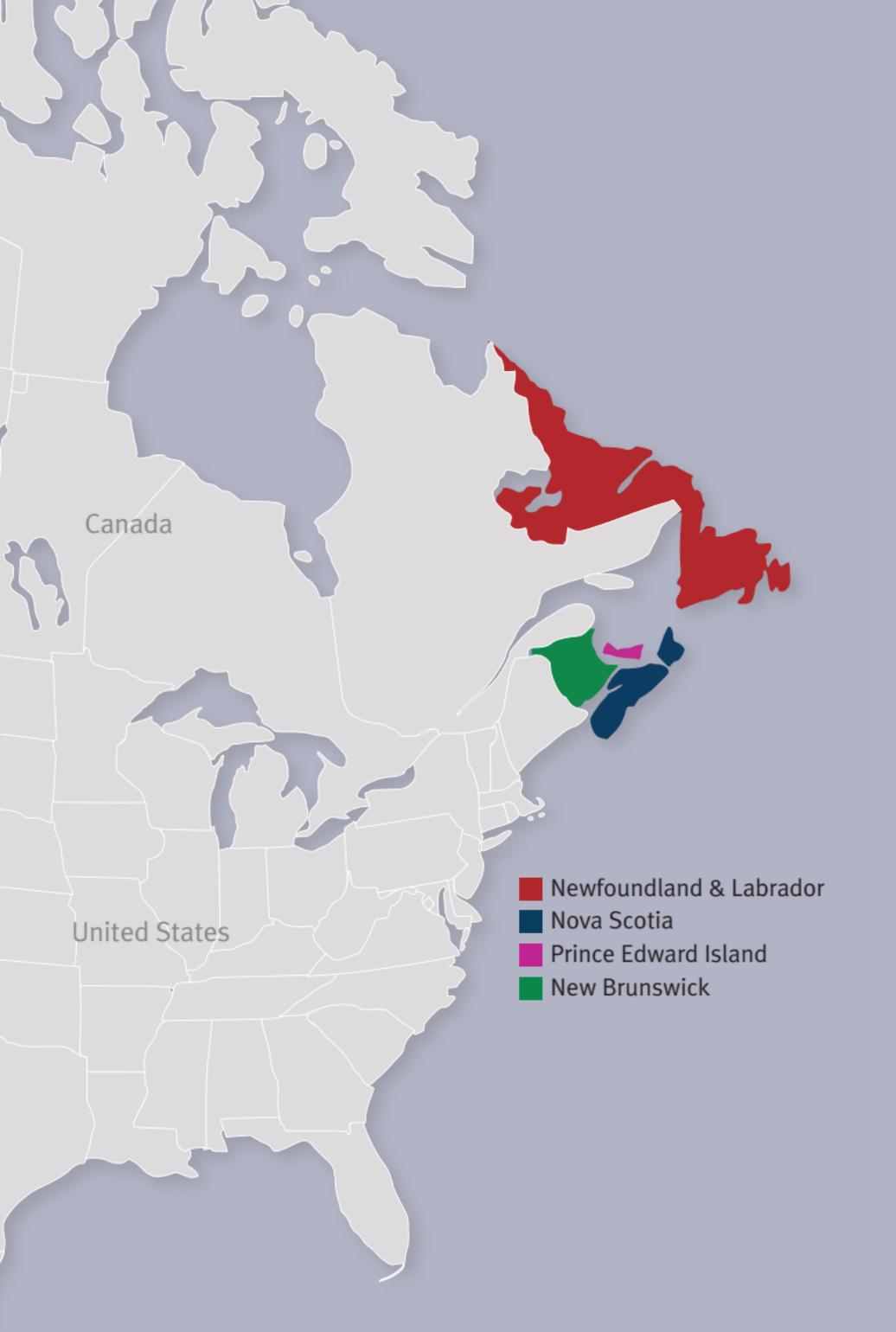




**ATLANTIC
CANADA**
AEROSPACE
& DEFENCE



I/ITSEC | Nov 28-Dec 2, 2022 | Orlando, FL



Canada

United States

- Newfoundland & Labrador
- Nova Scotia
- Prince Edward Island
- New Brunswick

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ACADA

The Atlantic Canada Aerospace and Defence Association (ACADA) is a collaborative SME-focused organization representing the interests of the aerospace, defence and security industries in Atlantic Canada. ACADA is comprised of 170+ industry members and organizations across Atlantic Canada.

Our goal is to grow the aerospace, defence and security sectors in Atlantic Canada. We do this by assisting members in 4 key focus areas: Workforce & Talent Development, Enhanced Competitiveness, Business Development, and Industry Promotion.

ACADA works collaboratively with industry members, provincial and federal government agencies, and other key stakeholders to facilitate strategic industry development on behalf of the region while promoting the Atlantic Canada brand locally, nationally, and internationally. ACADA members are delivering products and services to the global marketplace in land, marine, and air/space domains for both commercial and defence applications.

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Atlantic Canada
Opportunities
Agency

Agence de
promotion économique
du Canada atlantique

ACOA

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The Atlantic Canada Opportunities Agency (ACOA) is a federal department with a mandate to advance regional economic development in Atlantic Canada.

ACOA strategically positions Atlantic Canada's aerospace, marine and defence industries to benefit from defence procurements. ACOA helps prime contractors identify industrial capability and capacity in support of their industrial benefit commitments and value proposition strategies.

ACOA is the Atlantic regional voice in the federal industrial and technological procurement policy and practices in Canada.

Sam Fotia

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Avalon Holographics

The world's most advanced holographic displays

3D technologies have always chased the ultimate dream of an experience that is indistinguishable from reality. Avalon Holographics is a Canadian SMB leading the next wave of display technology by pioneering development of the world's first "true" 3D professional holographic displays that will revolutionize the way people produce, view and understand visual content. By replicating the experience of looking at real objects, Avalon's patented holographic displays produce realistic, comfortable, and headgear-free immersive experiences. Their display technologies will transform the way users view and interact with complex information, allowing users to experience accessory free "natural" 3D without the nausea, fatigue, and other physical effects of using Virtual Reality (VR) and Augmented Reality (AR) devices. With a myriad of applications including a variety of defense use cases, Avalon Holographics is poised to disrupt the industry while setting the standard for holographic displays.

Come visit us at Booth #1213.

Ron Collier

Director of Customer Development

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The Black Arcs

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The Black Arcs is a Canadian software firm building simulation and analysis tools for many sectors. Our flagship product, Citisketch, enables users to create compelling digital twins of neighborhoods and cities that model the population's pattern of life and how changes to infrastructure or policy are likely to influence behaviour. Citisketch is intuitive and visual, and can be used to test plans, communicate them to others, and display a common operating picture when discussing complex operations. The company is currently collaborating with Canada's Department of National Defence on next-generation planning and disease modeling tools.

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Bluedrop Training & Simulation Inc.

Bluedrop designs and develops advanced training solutions including highly interactive courseware and state-of-the-art virtual reality, mixed reality, and augmented reality (VR, MR & AR) training and simulation products. As a Small Medium Enterprise, Bluedrop is the partner of choice for large OEMs, by bringing capabilities in R&D, innovative solution development and execution excellence. The Training and Simulation division meets the demands of today's industry – providing blended training solutions from the classroom through to simulated virtual environments aimed at improving safety, productivity, and efficiency. Bluedrop offers In-Service-Support and Technical Publication services on major Canadian defense programs.

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Confidence. Engineered.

Calian

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For over 40 years Calian has been helping the world communicate, innovate, learn and lead safe and healthy lives. Calian delivers military training and simulation (MTS) solutions, healthcare, defence manufacturing, communications, and cyber defence solutions. We equip militaries to deliver on their missions from concept to in-service support. We deliver when you cannot fail.

Calian delivers simulation-based military training for the Canadian Armed Forces (CAF), NATO, and NATO member countries. Through our highly experienced team, we deliver an end-to-end training experience, from concept development and design, to delivery, through to after-action review. We deliver training by integrating the right simulation and training tools into a single synthetic environment, providing a realistic, immersive training experience. This approach simulates the challenges and complexity that military leaders and planners will face in the real world. Calian delivers readiness through simulation-based training.

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ENGAGE

CREATIVE TECHNOLOGIES

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Engage Creative Technologies

Engage Creative Technologies is a cutting-edge technology firm based on the East Coast of Canada. Building custom augmented reality solutions for a wide mix of use cases, the company's mission is to allow for safer marine navigation in low-lighting and low-visibility settings through data visualization and training opportunities. By blending together the real world with the digital world, Engage Creative Technologies has built AR technologies that reshape perceptions, reimagine reality, and envision the future.

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GRI Simulations

GRI Simulations Inc. is a Canadian company focused on real-time simulation, modeling and visualization of critical marine activities to support increased process efficiency and operational safety.

In 1997, GRI began development on the Virtual Remotely Operated Vehicle (VROV) Simulator System, an instructional platform for the training of ROV pilots with unparalleled dynamic realism.

GRI has subsequently been characterized by its ability to innovate based upon the unique challenges and opportunities of its clients, solidifying VROV's status as an industry-leading ROV pilot training tool while adding dimensions of situational testing and mission rehearsal to its utility. With the introduction of iDEA-FDK, an advanced 3D design and visualization tool, GRI has created a platform by which VROV simulation and high-fidelity engineering analysis tools can facilitate field layout designs, promoting the environmental and operational objectives of oil and gas projects.

Our mission is to enhance safety, security and productivity of marine systems and operations through the provision of advanced 3D simulation, visualization, and integrated engineering technologies.

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KOGNITIV SPARK

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Kognitiv Spark

Kognitiv Spark is a North American tech company and Microsoft MRPP gold partner recognized for its competency in the secure, reliable, and network agnostic applications of Mixed Reality for remote support. Its flagship product, RemoteSpark™ is an industrial-grade platform that allows a remote worker to establish a low-bandwidth, secure audio-video call with a subject matter expert when they need help solving a complex problem. The expert, who can be located anywhere in the world, can then see what the remote worker sees and use holographic assets to support the task, all the while keeping the user heads-up and hands-free. RemoteSpark can facilitate the transfer of photos, files, and multi-step animated holograms. IoT and AI data can be leveraged for increased situational awareness and more contextual delivery of supporting assets. RemoteSpark improves productivity significantly by enabling workers to get the job done correctly, with accuracy and speed, saving expert travel costs and equipment downtime.

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MARINE INSTITUTE



Marine Institute's Centre for Marine Simulation

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In operation since 1994, the Centre for Marine Simulation (CMS) is one of the most comprehensive and advanced maritime simulation facilities in North America. As a centre of the Fisheries and Marine Institute of Memorial University (MI), CMS combines its unique North Atlantic location, world-leading simulation technology, and industry-driven expertise to solve the toughest simulation problems for its clients. The Centre is located in St. John's, Newfoundland and Labrador, Canada, the capital city of Newfoundland and Labrador and the forefront of Canada's ocean technology industry. The city boasts one of the most sophisticated and comprehensive concentrations of ocean technology organizations anywhere in Canada. As a centre of excellence, CMS responds to a variety of requests ranging from ship manoeuvring and procedural trials, performance examination and improvements, and customized training to operational efficiency reviews, marine equipment testing, and port design evaluation. Its clients are globally based and come from a variety of maritime sectors: commercial shipping, oil and gas, port operations, civil engineering, environmental, marine policy and regulation and more.

Centre for Marine Simulation

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Modest Tree

Modest Tree delivers immersive, virtual, and fully integrated digital products and services in response to some of the most complex issues faced by industries world-wide. We provide global defence manufacturers and the defence clients they service with data-driven solutions to visualize physical assets and processes, deliver virtual training, and continually optimize operations while unleashing new business models for training, digital twins, and digital in-service support.

Modest Tree's Immersive Digital Twin solutions are used by complex equipment operators and maintainers to contextualize data, train staff on operational and maintenance procedures, and inform decision-making. We leverage our software solutions to streamline data optimization and integration and are focused on innovation through data-driven solutions for clients to visualize their digital assets, operations, and processes that can be accessed through multiple digital platforms including Augmented Reality (AR) and Virtual Reality (VR), desktop and mobile.

Sam Wood

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SAPPER LABS
INTELLIGENT CYBER DEFENCE

Sapper Labs

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Sapper Labs Inc is a sovereign cyber defence and intelligence company with a trusted international network delivering advanced cyber capabilities, products, services and cyber training to military, Government and critical infrastructure operators to counter the most advanced cyber adversaries.

Sapper Labs is a Canadian veteran-owned SMB company and proud Indigenous employer with a 15 year history of success in global special operations cyber requirements and intelligence for Canada and its Allies. We are priming the most advanced cyber innovation projects and leading some of Canada's most advanced operational projects in the intelligence and cognitive warfare domain.

Sapper Labs has offices in Fredericton, Ottawa and Saskatoon.

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University of New Brunswick

The University of New Brunswick's Office of Research Services is responsible for facilitating applied research collaboration between UNB and industry, commercializing assigned intellectual property, and assisting in new venture creation. We are particularly focused on engaging with firms engaged in mechatronic and human factors to training, and cybersecurity training for the public and private sectors, and medical devices and simulations spaces. UNB is keenly interested in connecting with firms developing Mixed and Augmented Reality technologies to collaborate with the Spatial Computing Education, Training, and Research Laboratory which is making AR/VR/MR capabilities intuitively accessible to the aerospace, medical, and manufacturing fields.

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Virtual Marine

Virtual Marine is leading the way in simulation and virtual reality training in Lifeboat, Fast Response Boat and Ice Management. Based in Newfoundland and Labrador, and built on a strong platform of harsh environment research and advanced software development, our Canadian designed and manufactured products provide compliant, flexible, realistic, practical, and carbon-negative training enhanced with digital simulation for practical drills – minimizing travel and associated carbon impact and costs, replacing high-risk elements of drills with immersive training that's proven to achieve higher competence levels, and customizing customer dashboards for records management and performance analysis. Virtual Marine simulators are built on fundamental models validated with full scale testing, using datasets from world-class research facilities to create high fidelity models of waves, ice, and vessel motions. Bringing people home safely for over 18 years.

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