

Newfoundland and Labrador 2024 Trade Mission to Boston

# Company Directory



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## ASL ENERGY

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ASL Energy is at the forefront of delivering access solutions through the use of cutting-edge composite and wood matting products, complemented by our local expertise, logistical mastery, and technical prowess. We have a mobile recycling system which takes aquaculture waste from the ocean for re-use and have developed a Composite Airport System with global implications. It is a modular hard-surface Runway which can be deployed in remote locations to allow modern jet aircraft to land on it.



## POLYUNITY

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PolyUnity is an award-winning healthcare technology company based in Atlantic Canada. PolyUnity's AMaaS (Additive Manufacturing as a Service) solution enables healthcare providers and their networks to design, access, and produce parts and products they need, on-demand. The solution provides significant positive financial, operational and environmental impacts in addition to improved patient outcomes and provider experience.

PolyUnity has developed over 450 problem-solving non-medical and medical (Class 1) devices with its healthcare partners in St. John's, NL and Ottawa, ON, each of which is manufactured via localized 3D printing - no matter where it is needed. PolyUnity's "digital inventory" is rapidly growing and holds a wide variety of products for most healthcare departments that benefit patients.



**PolyUnity**

## WORLD ENERGY GH2

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World Energy GH2's Project Nujio'qonik will be Canada's first commercial green hydrogen and ammonia producer, located in Newfoundland and Labrador, one of the world's best wind resource regions.

We plan to develop 4 GW of renewable electricity through wind projects on the west coast of the island of Newfoundland. The sites will be developed concurrently with a staggered target delivery schedule, with increased hydrogen production over time.

The first two onshore wind farms will be located in Port au Port and the Anguille Mountains, generating 2 GW. The third and fourth wind farms in the area will contribute an additional 2 GW.

We are also building a hydrogen and ammonia production facility in the town of Stephenville, NL. The plant will be located at the Port of Stephenville, where we will export green fuels to domestic and international markets. The 4 GW of wind farms will produce approximately 280,000 tonnes per year of green hydrogen (1.6 million tonnes of green ammonia).



## **CAHILL**

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We offer construction, fabrication and technical solutions for multi-trade industrial, commercial, and institutional projects. We have exceptional talent, advanced project management systems and state-of-the-art fabrication facilities for complex projects. We are headquartered in Newfoundland and Labrador, but we have facilities across Canada serving clients in industries including power generation (nuclear, hydro and renewables), oil and gas, mining and commercial/institutional.



# COMPUSULT

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Compusult Limited is an established, innovative technology company that focuses on developing products and services, primarily for geospatial and big data management applications. Established in 1985, the company currently supplies computer software, hardware and consulting services directly to defense agencies, governments, and corporations around the world. Their products and services are proven to be cost-effective for mass, customized and secure markets. Compusult's commercial products include Web Enterprise Suite (WES), SensorHub, GO Mobile, Meta Manager, FasseTrack, Assistive Technology (AT) solutions, and robotics systems, such as their Nanuk Uncrewed Ground Vehicles (UGVs).



## **VORTEX ENERGY CORP**

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Vortex Energy Corp. is an exploration stage company engaged principally in the acquisition, exploration, and development of mineral properties in North America. The company is currently advancing its Robinsons River Salt Project comprised of a total of 942 claims covering 23,500 hectares located approximately 35 linear kms south of the town of Stephenville in the Province of Newfoundland & Labrador. The Robinsons River Salt Project is prospective for both salt and hydrogen salt cavern storage. The company is actively evaluating technologies to efficiently store hydrogen or energy in salt caverns. Vortex Energy Corp. also holds the Fire Eye Project, which is located in the Wollaston Domain of northern Saskatchewan, Canada.



## COLLEGE OF THE NORTH ATLANTIC

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College of the North Atlantic (CNA), located in Newfoundland and Labrador, is one of the largest post-secondary educational and skills training centers in Atlantic Canada, offering over one hundred (100) certificate, diploma, post-diploma, advanced diploma programs, and applied degrees. In its capacity as a public post-secondary training and development institution, it has been creating curriculum and developing training programs that have been addressing industry priorities for over 60 years. CNA has broad experience in the following sectors:

- Natural Resources
- Industrial Trades
- Oil and Gas
- Applied Research & Innovation
- TVET Development
- Sustainable Development
- Engineering and Information Technology
- Safety Certifications
- Technical Teaching Training
- Online Learning
- Mining
- Health Sciences



## MARINE INSTITUTE

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The Fisheries and Marine Institute is Canada's most comprehensive centre for education, training, applied research and industrial support for the ocean industries. The Launch, located in Holyrood, NL, is the Institute's ocean innovation centre, which provides year-round access to deep water, cold ocean research and development. It supports a comprehensive approach to ocean research, offering vessels, technology, technical expertise, and collaborative partnerships. This facility advances Canada's Blue Economy Strategy, Defence Policy, and the UN Decade of Ocean Science. Featuring a digitally connected living lab, it supports technology development, testing, validation, and commercialization in marine and related sectors. The Launch is home to SmartAtlantic, Canada's largest applied ocean observatory system, and a data provider to CIOOS. In March 2024, it became a NATO DIANA test centre, joining a network that fosters cooperation among universities, industry, and governments to solve defence and security problems and promote civilian innovation.



## NUCLIQ BIOLOGICS INC.

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Nucliq Biologics Inc. is a microbiome-based biotech company headquartered in St John's, Canada, co-founded by Dr. Nikitha Kendyala and Dr. Purvikalyan Pallegar. At Nucliq, by leveraging its knowledge of molecular and functional interactions between microbiome and human body, we are developing microbiome based personalized therapeutics and diagnostics to understand and translate its application for human well being.

We have designed and developed the GutcheckTM analysis kit, a home testing kit for gut microbiome analysis focused on improvement of gut health. Currently offering gut microbiome testing services globally to both direct to consumers and business partners. Nucliq aims to revolutionize healthcare by offering affordable and accessible gut microbiome testing services directly to consumers. Our goal is to improve current therapeutics by diagnosing and targeting/reprogramming microbiomes that can treat the diseases in a personalized manner.



## ANGLER SOLUTIONS INC.

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Angler Solutions Inc. is an innovation-driven consulting firm with international experience providing strategic advisory and project delivery services across the evolving energy and ocean technology sectors. Headquartered in St. John's, NL, Angler's experience and knowledge, built up in the oil and gas arena, provides a unique set of transferable skills applicable to the energy transition taking place globally. Angler has specialist expertise in R&D, technological innovation, techno-economic analysis, and a broad range of skill sets in support of early-stage project development and execution in pursuit of solving some of the most challenging energy problems.

Angler offers engineering consultancy services and supports the development of innovative technologies within the Renewable Energy, Energy Diversification, Ocean Technology, and Upstream Resources sectors. Angler's team has a wide variety of project exposure ranging from small grass roots to multi-billion-dollar energy development projects including experience in areas such as development planning, concept development, feasibility assessments, pre-FEED/FEED, detailed engineering design, procurement, planning, construction, installation and pre-commissioning.



## MEMORIAL UNIVERSITY

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Perched on Canada's North Atlantic coast, Memorial University is a destination for discovery. A beacon for the 21st-century explorer, Newfoundland and Labrador's university is a unique learning community founded in 1925 as a living memorial to those who lost their lives in the First World War — "that in freedom of learning their cause and sacrifice might not be forgotten." Today more than 19,000 students from nearly 115 countries come together to discover. From the classics to advanced technology, the comprehensive university offers certificate, diploma, undergraduate, graduate and postgraduate programs across six campuses, numerous locations and online. A global network of more than 100,000 accomplished alumni throughout the world strengthens Memorial University's capacity and reputation for leadership in world-class research, teaching and public engagement. To take a closer look, visit [www.mun.ca](http://www.mun.ca).



## ENERGY NL

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Energy NL is an Industry Association and was founded in 1977 to represent the supply and service sector of the energy industry. Today Energy NL represents over 460 member organizations worldwide which are involved in, or benefit from, the energy industry of Newfoundland and Labrador. Energy NL's vision is to help support, create and grow a sustainable and prosperous, lower carbon energy industry.



## OCEANS ADVANCE

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OceansAdvance Inc. is Newfoundland and Labrador's ocean technology innovation cluster. They connect members with each other and with government partners to identify and promote opportunities. They support member companies through activities like learning sessions, training, networking events, and strategic advocacy. Their members deliver world-class technologies and services on every continent. The organization welcomes representative members from industry, research and technology organizations, education and training facilities, all levels of government, as well as municipal economic development services and agencies. Members engage in providing solutions for fisheries and aquaculture, ocean observation and monitoring, maritime transportation, offshore energy development, climate change adaptation, marine recreation and tourism, as well as security and defense.



## ECONEXT

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econext is a not-for-profit association of businesses that accelerates clean growth in Newfoundland and Labrador. The organization works on behalf of over 200 members to foster environmentally sustainable economic development. To achieve this, econext focuses its activities and initiatives in six areas by providing a support framework for entrepreneurs and startups; networks to help increase productivity and competitiveness; tools to encourage and foster innovation; export and international business development programming; training and professional development opportunities to build capacity; and leadership on policy and advocacy issues.



## OPAS MOBILE

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OPAS Mobile is a Canadian company headquartered in St. John's, NL, founded in 2022 with a mission to create a "Safer, More Productive Workplace by combining advanced technology with decades of in-field experience."

OPAS Mobile offers a turn-key 'Field Management Platform' designed by people with real in-field experience to fill the void between "Construction Management Software", 'Project Management Software' and an accounting/ERP software. Their desktop and mobile platform automate fleet coordination, HSE reporting, materials deliveries, timecards, and more in one easy to use platform that allows growing companies to scale efficiently by improving HSEQ compliance and minimizing overhead costs.



## PORT OF ARGENTIA

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Port of Argentia is facilitating the energy transition with a strategic focus on renewable energy having established North America's first monopile marshalling yard in support of US offshore wind; and, has partnered with Pattern Energy for the development of a multi-phased 1.3GW onshore wind-powered green fuels project.



**PORT OF  
ARGENTIA**

## ESONAR

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Since 2009 eSonar has pursued their mission to improve mariners' access to marine and subsea environmental data. Their focus is on highly reliable underwater acoustic technology for the marine and subsea industries. Their recently expanded activities include multi-element listening arrays for marine mammals.

Their knowledge-based products are used by fisheries scientists and fishing companies in the USA, Canada and internationally. They provide real-time information on trawl and seine deployment—shape, depth and catch rate plus more specific data such as water temperature, angular data, and sonar around the deployed position.

Their team of sonar engineers and signal-processing experts engage in continuous R&D with an aim to add new and improved capabilities such as new approaches to improve AUV situational awareness. Applying knowledge and advanced underwater acoustics technology, eSonar provides solutions for the challenges of operating subsea equipment such as AUVs, trawls, acoustic releases, and monitoring buoys.



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Avalon Holographics, a Canadian Small Enterprise (SME), is leading the next wave display technology by pioneering the development of the world's first "true" 3D holographic displays that will revolutionize the way people produce, view and understand 3D visual content.

By replicating the experience of looking at real objects and eliminating the need for head-mounted devices, Avalon's patented display technology produces realistic, comfortable immersive experiences, facilitating collaboration and a more thorough understanding of complex visualization problems.

One area that stands to benefit significantly from the use of holographic displays is the visualization of medical data. By viewing medical data holographically, spatial relationships between different parts of human anatomy are more intuitively and easily understood, making it potentially useful for surgery planning, medical training and patient consultation.



## NEWFOUNDLAND AND LABRADOR HYDRO

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Newfoundland and Labrador Hydro (NL Hydro) is a provincial crown utility—providing safe, cost-conscious, reliable electricity while harnessing sustainable energy opportunities to benefit the people of Newfoundland and Labrador. Provincially, NL Hydro supplies the majority of electricity that customers in the province need every day, and is proud that 92% of this energy comes from renewable energy sources. Regionally, NL Hydro is also proud to export significant amounts of renewable energy to Quebec and Nova Scotia, and as far as New England and New York. NL Hydro's mix of generation assets have an installed capacity of more than 8000 MW, delivering more than 40 TWh of energy annually, which flows over more than 10,000 km of transmission and distribution lines. The future is bright for renewable energy in Newfoundland and Labrador, as there are more than 4,000 MW of to-be-developed hydroelectric energy and an endless supply of wind energy possible. For more information, visit [nlhydro.com](http://nlhydro.com).

99% of all electricity generated in Newfoundland and Labrador (for domestic and export purposes) is generated from renewable, net-zero sources. We are contributing to a decarbonized economy, provincially and regionally and more is possible.



## PAN-MARITIME

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Pan-Maritime holds a unique position in the Canadian energy landscape. Established in the mid 90's it was among the leading enablers of the Atlantic Canada offshore oil & gas industry. Exporting the growth of the energy sector beyond St. John's it subsequently moved to establish successful offices in Halifax, Qatar and Aberdeen. Today Pan-Maritime is an international project management & engineering consultancy group with a focus on delivering innovative solutions in support of the energy sector's low carbon transition.





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