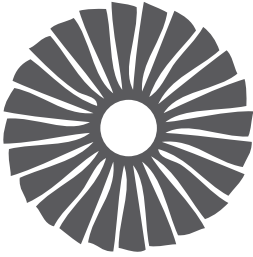


Marine Energy

Saint John, New Brunswick



Port Saint John

- Closest port to FORCE with available infrastructure and capabilities to support the requirements of tidal projects
- Three dry warehousing sheds totalling 440,000 square feet with 30 foot doors
- Specialised break-bulk handling with dedicated purpose-built facility
- Direct railcar with covered dock aprons
- Two terminals for short & long-term lease; over 30 acres of laydown and staging
- Water depth of over 10m at low tide and 18m at high tide

Spruce Lake Barge Terminal

- Located in the Spruce Lake Industrial Park in Saint John, the barge facility will accommodate a variety of barge sizes ranging from 15 to 21 foot drafts, capable of handling up to 500 tonne loads
- Spruce Lake Industrial Park is home to experienced industrial fabricators with direct access to the barge terminal
- Serviced and graded land is available within the park for new facilities, staging or laydown



Industrial Fabrication

- Industrial Fabrication in Saint John is a well-established business sector, with companies and skilled workers contributing to major construction projects as well as ongoing service and maintenance
- Whether it is in the creation of components for the nuclear industry, the building of modules for large construction projects, or marine energy product fabrication, Saint John's role in the supply chain has been demonstrated through the consistent delivery of superior products for years
- New Brunswick's robust industrial fabrication workforce has more than 6,500 jobs directly attributed to the sector. Government and industry work with universities, colleges, and apprenticeship programs, to ensure the right skills are available when they are needed, and to provide support to industrial fabrication
- Approximately 100 industrial fabrication companies in New Brunswick
- 170+ engineering firms supporting the sector in New Brunswick
- Saint John fabricators have current experience in fabrication, maintenance, servicing and installation of marine energy in the Bay of Fundy
- With extensive experience outfitting barges for heavy lift projects, Saint John fabricators are unique in the Bay of Fundy for their experience and capabilities

Competitive Barging and Towing

Saint John is well serviced by competitive barging and towing options including Atlantic Towing and McKeil Marine.

The Saint John region has been providing complex marine solutions in the Bay of Fundy and beyond for diverse industries including previous tidal projects.

1. Deeply involved in all the major recent developments in the Tidal power industry in the Bay of Fundy including the deployment of the first turbine in 2009.
2. Comprehensive partnership options for marine operations including planning, engineering, and operational services.
3. Port Saint John is home to six high powered ASD tugs and a fleet of barges.

Capabilities

- Turbine deployment/ retrieval
- Subsea cable laying
- Hookups and commissioning support
- Anchor deployment
- Barge support for pin pile or GBS deployment
- Marine support for geotechnical investigation

Heavy Lift Capabilities

Home to industrial heavy lift equipment providers with a range of expertise that has been instrumental in supporting the development of the marines renewable sector in the Bay of Fundy.

1. Technical consultancy and engineering guidance.
2. Providing infrastructure know-how and a communications hub.
3. Providing physical services in the areas of logistics and heavy lifts.

Capabilities

- Ongoing support of the 2015 tidal power campaign
- Supported original turbine deployment and recovery activities
- Innovative engineers adept at solving unique problems
- Comprehensive fleet of cranes, transporters and non-conventional lifting gear
- Powerful network of service providers, well accustomed to the varied demands of the offshore and energy industries

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