



Consulting Services

**in tidal energy
issues and projects
that contribute
to significant reductions
in carbon emissions**

Since incorporation in 2006, MTEC has played a constructive role in the developing tidal power activity in the Bay of Fundy, Nova Scotia and New Brunswick, Canada. Our mission is to be known internationally as a knowledgeable source of tidal energy consulting capability and leadership.

Who we are

A team of consultants, engineers and scientists whose goal is to facilitate harnessing the power of the sea while maintaining the integrity of the environment. Our consultants have many years of international and Canadian experience as senior executives and project managers in the private, public and non-profit sectors

Our expertise

- Strategic business development and marketing
- Research and evaluation
- Government-industry relations
- Corporate governance and organizational leadership
- Project planning, project management, contract administration
- Hydrodynamics, hydrography and modeling with particular knowledge of the Bay of Fundy
- Mechanical engineering, maintenance, turbomachinery and industrial applications
- Marine civil engineering involving a wide variety of marine & coastal structures
- Environmental and socio-economic investigations
- Consultation, facilitation and public relations

Services

- Strategic Planning
- Policy Development
- Regulation Interpretation
- Marketing Guidance
- Financial Modeling
- Hydrodynamic Modeling
- Project Management
- Community Relations
- Public Relations Assistance
- Assessments
 - Environmental
 - Technological
 - Economic
 - Supply Chain
 - Business Opportunity
 - Operation and Maintenance
- Evaluations
 - Best Practices
 - Investment

We assist clients in all stages of tidal energy development.

Maritime Tidal Energy Corp. (MTEC)

Market Focus

Initially MTEC will focus on tidal developments in Canada and the United Kingdom.

Scotland in the UK, and **Nova Scotia** in Canada are emerging as **leaders** of the 8-10 countries in the world that are actively exploring the **development of tidal energy**.

This assessment is based on their R & D, development, demonstration, regulation and investment activity to date.

Global Tidal Energy Summary

The United Kingdom and Canada are the world leaders in exploring the potential of harnessing the energy from the flow of tidal currents.

United Kingdom

The UK plans to install **1GW** of tidal power capacity by **2020** – enough to supply the energy needs of over one million UK homes. In 2010, Scotland began by leasing undersea real estate to a half dozen consortiums in exchange for their agreements to develop a 600 MW tidal capacity by 2020.

It is estimated that **tidal** stream energy could become **competitive** with current base costs of electricity by the time the UK has installed its estimated economic capacity of **2.8 GW**.

Canada

Ocean Renewable Energy Group (OREG), a national industry organization, has said Canada could reasonably **target 15 GW** of tidal, wave, and in-stream river energy by **2050**.

The economic **tidal energy capacity** for the Bay of Fundy, in **Nova Scotia**, has been estimated to be between 350 MW and 8 GW, with a central estimate in the **1 – 2 GW range**. (approximately 5 – 8% of the known worldwide tidal stream resource)

OREG believes that Nova Scotia could reasonably expect to build a tidal energy **capacity of 100 MW by 2020**.

In 2010 **Nova Scotia** authorized **feed-in tariffs** for developmental tidal arrays that reflect the cost of the turbines and their deployment, and is currently developing strategies for commercializing marine renewable energy.

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