



Engineering & Environmental Services

The Sydney Tar Ponds Project is considered the most significant environmental remediation project in Canada. Combined with the closure and remediation of dozens of former Cape Breton Development Corporation (DEVCO) coal mine sites, over \$1 billion in remediation projects have been carried out over the past decade in Cape Breton. This work has created a formidable depth and breadth of engineering and environmental talent in the area.



Investment Opportunities

Engage in joint ventures

By combining your knowledge of a geographical market or discipline with the unique skills sets of our engineering and environmental firms, a joint venture may be developed to pursue specialized projects.

Pursue marine engineering projects

With port development projects on the horizon, continued oil and gas exploration in offshore Nova Scotia, and the Maritime Link submarine transmission project, there is an opportunity for a specialization in marine engineering in Cape Breton.



Top Reasons to Invest in Cape Breton

Mega projects

A number of large projects are on the horizon in the region, including the

Muskrat Falls hydroelectric project, the Maritime Link submarine transmission project, the Irving Shipbuilding contract for the Canadian Navy and port development in both Sydney and the Strait of Canso. Each project will require extensive engineering and environmental services.

Expertise in mine remediation

There are an estimated 10,000 abandoned mines in Canada with tailings that need to be remediated. With the closure and successful remediation of 53 former mine sites over the past decade, the expertise to tackle these projects is resident in Cape Breton.

Expertise in industrial remediation

The remediation of North America's largest toxic waste site developed a vast skill base relating to industrial remediation services.



► Unique skill sets

Through working on the Sydney Tar Ponds and former DEVCO mine sites, a number of unique skill sets have been developed, including:

- Project management;
- The ability to work in a collaborative approach with regulators;
- In situ solidification and stabilization technology in tidal estuaries;
- Large-scale project delivery during construction;
- Meaningful engagement with Aboriginal and community stakeholders; and
- Mine water treatment and management.

These skills will prove invaluable to moving large projects forward.



Key Infrastructure/ Resources

► Business support

The Atlantic Canada Opportunities Agency, along with its partners at Nova Scotia Business Inc. and the Cape Breton Business Partnership, is actively

engaged in developing opportunities for the engineering and environmental sector. Nova Scotia has a dedicated Major Projects Team that works to ensure that companies within the province are able to accrue the maximum benefit from major projects in the region. Programs are also available through Nova Scotia's Economic and Rural Development and Tourism to assist business development.

► Research support

Cape Breton University's Verschuren Centre for Sustainability in Energy and the Environment is a dynamic research centre dedicated to finding innovative and sustainable solutions to energy and environmental issues. The Centre is an active collaborator with private sector firms to conduct research and development on new technologies and approaches.

Engineering & Environmental Services Success Stories

► Sydney Tar Ponds Project

The Sydney Tar Ponds Project employed a number of engineering and environmental service firms to remediate North America's largest toxic waste site, which was contaminated by 100 years of steel and coke production. The project was delivered on time and under budget. The reclaimed Tar Ponds, Coke Ovens and Sydney Steel sites combine to form one of the largest brownfield redevelopments in North America.

► Former DEVCO Mine Sites

After the last coal mine closed in 2001, a 10-year plan was developed to remediate 53 mine sites, covering 1,000 square kilometers. With numerous engineering and environmental services firms working with DEVCO/ACOA and Public Works and Government Services Canada, the sites were completed on time and within budget. The result is an expertise in mine development, closure, remediation, treatment and monitoring.

► Unama'ki Economic Benefits Office

The Unama'ki Economic Benefits Office is a Cape Breton-based organization that builds industry partnerships and helps ensure Aboriginal businesses can be part of large industrial projects. Its partnership with the Sydney Tar Ponds Project was the first significant engagement of Aboriginals in Canada that is widely recognized as a model. The First Nations set aside for the Sydney Tar Ponds Project was \$19 million, but First Nations companies secured \$72 million in contracts. The organization recently assumed this role for all the First Nations in the province and has been renamed the Nova Scotia Mi'kmaw Economics Benefits Office.

► Sydney Harbour Dredge

The dredge of Sydney Harbour involved channel and berth dredging to accommodate Post-Panamax size container vessels. The process took three months to complete and involved relocating more than 4.5 million cubic metres of seabed material from the bottom of Sydney harbour. The \$38 Million project makes Sydney the newest deepwater port on the North American east coast.



Invest in Cape Breton Today!

► www.InvestInCapeBreton.com

► 902-562-6059

► Toll Free: 1-844-868-0967

Visit the website or call to find out more about financial support and investment opportunities.