

Clean Technologies

“This investment [of \$47 million with the Province of Nova Scotia] is expected to support Daewoo’s strategy of diversification into the wind-energy sector and expansion into the North American market.”

Sang-Tae Nam, President and CEO of Daewoo Shipbuilding & Marine Engineering Co., Ltd.

Renewable Energy

- Integration with the North American electrical grid ensures access to the world’s largest market, while tax and R&D credits, along with federal and provincial incentives for renewable sources of power, increase return on investment.
- The ecoENERGY for Renewable Power program provides nearly \$1.48 billion to increase Canada’s supply of clean electricity from renewable sources such as wind, biomass, hydro, geothermal, solar and ocean energy.

Bioenergy

- Canada continues to pioneer, develop and commercialize a range of biofuels, including ethanol, biodiesel, pyrolysis oil and cellulosic ethanol.
- Wood pellets represent an increasingly attractive fuel source for power generation. Canada’s 33 wood pellet plants have a capacity of 2 million tonnes, and another 20 plants are under development to meet high demand from Europe.
- Canada generates strong opportunities in biogas waste-to-energy processes. For instance, a large commercial facility will transform Edmonton’s municipal garbage into 36 million litres of bioethanol per year.

Wind Energy

- With the world’s longest coastline, large freshwater lakes, vast interior plains and multiple mountain ranges generating unparalleled wind resources, Canada is ideal for wind-power generation.

- In the next five years, investments will reach \$4 billion annually and employment will hit 15,000. Canada’s total installed wind-energy capacity is currently 4,155 MW. By 2015, Canada expects to generate at least 12,000 MW.

Solar Energy

- Nearly 350 solar-photovoltaic companies operate in Canada, providing employment to 3,000 people. The country’s total installed capacity represents more than 250 MW.
- Canada is a world leader in solar-power research, development and commercialization.

Environmental Technologies

- As recognized world leaders in environmental engineering, Canadian firms are breaking new ground in fields such as waste management, water treatment and soil remediation.
- With sales valued at more than \$4.1 billion, the environmental goods and services market in Canada consists of some 8,500 firms.
- Canada’s air-quality control industry has a reputation for top-quality innovative solutions. Its environmental regulatory alignment with the United States, together with leading-edge research networks, means foreign investors can look to Canada as a base for access to the entire North American marketplace.
- The Federal Contaminated Sites Action Plan is contributing to the creation of close to 590 remediation projects across the country by the end of 2011.