

Canada has become a world leader in a number of areas within the power sector including: large hydro turbines and generators, low head hydro turbines and control systems, fossil and nuclear steam generators, gas turbines, high voltage direct current transmission technologies, supervisory control and data acquisition (SCADA) management systems, fuel cells, and engineering services.

Mining

In minerals and metals, Canada's position as a world leader in mining exploration, extraction, processing and refining will continue to present growth opportunities for Canadian equipment and service suppliers. Canadian companies are involved in thousands of projects in more than 100 countries. This activity is creating unprecedented opportunities for domestic suppliers to provide expertise, goods and services to Canadian and other customers offshore. Canadian suppliers are notable for products related to underground mining,

the environment, exploration, feasibility studies, mineral processing and mine automation.

Forestry

Canadian forestry equipment and services suppliers are recognized around the world. The Canadian machinery manufacturers produce a large variety of products, ranging from log-harvesting technologies to technologically-advanced equipment used in the manufacture of value-added wood and paper products. Exports of equipment to the pulp and paper sector alone surpass \$250 million annually. Canadian firms are also active suppliers of forest-related consulting services, offering a comprehensive range of services (e.g. forest management and silviculture, design and implementation of small sawmill facilities, wood-based panel manufacturing, pulp and paper facilities). Other related services include marketing, transportation, environmental and product distribution.

*Calgary-based **Global Thermoelectric** was established in 1975 to commercialize thermoelectric generating technology created in the 1960s for the Apollo space program. Thermoelectric generation creates power by converting heat directly into electricity – ideal for remote facilities, oil and gas pipelines, navigational aids and telecommunications systems. "This is very much a niche business," says Jim Perry, Global Thermoelectric CEO. "When a major pipeline is built anywhere in the world, we are one of the bidders." The company now sells to 47 countries around the world. In the past two years, major new projects in South America and Southeast Asia have resulted in Global Thermoelectric deriving in excess of 75% of its revenues from outside Canada.*