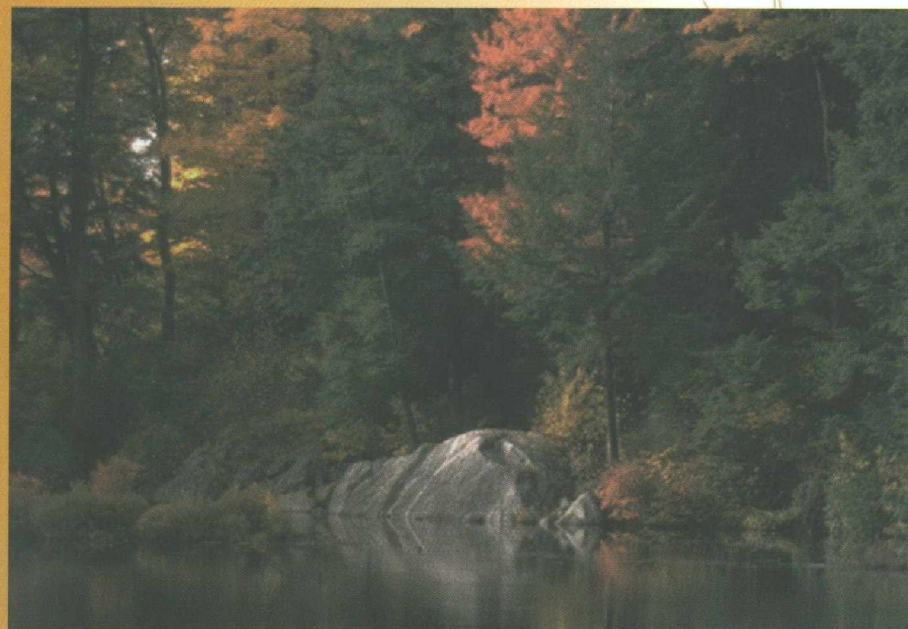
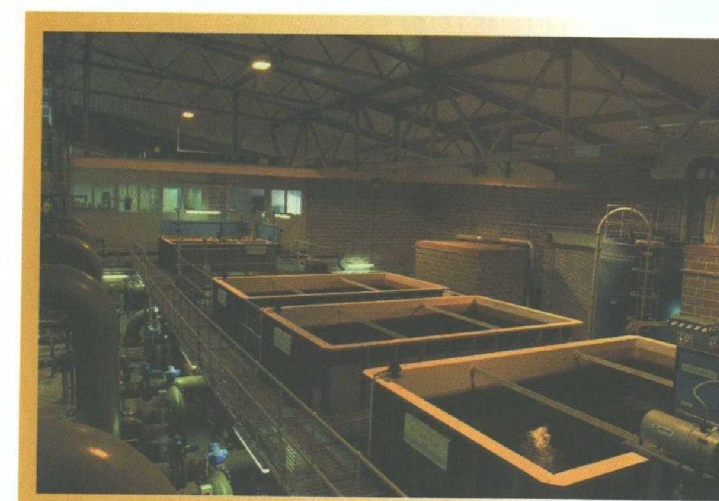




Canadians are committed to protecting their environment — to preserve the quality of air and water, protect nature and conserve wildlife. Canadians understand how environmental technologies provide jobs and economic growth, enhance ecosystems through protection and prevention, and improve our quality of life by reducing pollutants that harm our health and environment. This attitude has helped foster an environmental industry in Canada that is respected worldwide for its innovative approaches to ecological challenges.

There are over 6000 Canadian firms active in the environmental industry. Together, they earned environmental revenues of \$14.4 billion in 1998, most of which came from the sale of manufactured goods such as membranes for water treatment, heat exchangers, ventilation systems, recycling equipment, alternative fuel vehicle components and hydro turbines. Services such as consulting and environmental and energy engineering as well as a wide range of scientific and technical services are also growing steadily, particularly in spill prevention and clean-up, geomatics, remote sensing, waste management, laboratory testing and general research.



Most countries recognize that economic growth and environmental protection go hand in hand. While many are quickly developing their own capabilities, they still need to acquire efficient and workable service and equipment solutions. Clients and joint-venture partners around the world look to Canada for environmental expertise, whether in soil, water or air. Canada is a world leader in environmental services, biotechnology, remediation, monitoring and instrumentation, with more than 600 of Canada's environmental companies actively exporting.

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In 1998, Canada exported close to \$1.25 billion in environmental goods and services, representing almost 9 percent of its total environmental revenues. About 69 percent of these exports went to the United States, followed by Asia, Europe and South America.

WASTE WATER MANAGEMENT

Canadian industrial waste water management firms, associated research and development centres and universities have developed technical solutions for complex municipal and industrial water and waste water treatment requirements. Canadian firms specialize in a variety of processes, including anaerobic technology, sequencing batch reactor technology, biological nutrient removal, reciprocating ion exchange, membrane systems, automated polymer dosing, ultraviolet oxidation and disinfection, wet air oxidation, waste water treatment plant modelling and wetlands technologies.

AIR QUALITY MANAGEMENT

Air quality management equipment manufactured by Canadian companies can be grouped into four major categories: filters, extractors, specialized scrubber components and precipitators. Canadian companies have proven expertise in the management of sulphuric emissions and the effects of acid rain as well as in advanced industrial filtering systems.

Canadian air quality management firms have developed innovative, cost-effective solutions in such emerging sectors as continuous emissions monitoring with process controls, biofiltration, clean incineration technologies, hot-gas cleaning using advanced particle filters, and indoor and ambient air technologies.

