

# Advanced Manufacturing

"For us, Canada is a country of enormous opportunity."

*Elyse Allan, President and CEO of General Electric Canada*

## Aerospace

- The Canadian aerospace industry ranks fifth in the world, despite competing in this sector against many larger economies.
- The sector generated annual revenues of \$22.2 billion in 2009. Exports represent 80 percent of output, and 57 percent of all output is exported to the United States.
- The sector invests heavily in R&D, with spending of \$1.9 billion in 2010 (78 percent of which is non-military).
- The Canadian aerospace industry employs 83,000 highly skilled workers and has a payroll of \$4.6 billion. Across Canada, universities graduate 3,000 students annually, at the undergraduate, graduate and PhD levels, in top aerospace engineering programs.
- Canada's aerospace industry supplies one third of global demand for small gas-turbine engines, enjoys a 70-percent share of the global market for visual simulators, and supplies 25 percent of the market for civil helicopters and one third of the market for landing gear.

## Automotive

- Canada is part of a fully integrated North American automotive market with annual sales of about 20 million vehicles and \$US260 billion in original equipment parts. Canada's share accounts for 17 percent and has an installed capacity of 2.5 million units a year.
- The auto industry is the country's largest manufacturing sector, accounting for 12 percent of Canada's manufacturing GDP. The industry comprises more than 1,300 companies and 109,345 workers.
- Capital investment in Canada's automotive industry is significant, averaging \$3.5 billion annually from 2001 to 2010.

- The Economist Intelligence Unit consistently rates Canada's business environment as the best in the world among auto-producing nations.
- The auto sector has been supported by strong R&D investment of about half a billion dollars annually over the past decade.
- Canadian assembly plants are known worldwide for top quality. For six of the last 10 years, two Canadian plants were rated best in the western hemisphere in the *J.D. Power and Associates Initial Quality Study*.



## Machinery and Equipment

- Canada's machinery and equipment manufacturing sector recorded sales of \$26.8 billion in 2009 and continues to attract international investment.
- The industry is attracted to Canada by a skilled workforce and relatively low production costs. Canada boasts the highest proportion of engineers in the G-8 and the lowest statutory payroll costs in the G-7.
- Two other determining factors for investment are proximity to major customers across North America and provincial manufacturing and R&D tax credits.