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## Canadian Industry Program for Energy Conservation (CIPEC)

Natural Resources Canada's (NRCan's) ecoENERGY for Industry and ecoENERGY Retrofit initiatives are designed to improve industrial energy intensity and reduce energy-related industrial greenhouse gases (GHGs) and air pollution.

These initiatives are delivered through the long-standing and successful Canadian Industry Program for Energy Conservation (CIPEC) a voluntary partnership between the Government of Canada and industry that brings together industry associations and companies representing more than 98 percent of all industrial energy use in Canada. Since 1975, CIPEC has been helping companies cut costs and increase profits by providing information and tools to improve energy efficiency:

- Incentives for industrial energy retrofit projects
- Incentive for industrial energy assessments
- Dollars to \$ense energy management workshops customized to meet specific needs
- Employee Awareness Program
- Information on innovative financing and accelerated capital cost allowances for energy efficient and alternative energy systems
- Benchmarking information, case studies, technical guides and the twice-monthly newsletter Heads Up CIPEC
- Boiler Efficiency Calculator to quickly analyze the efficiency of boiler operations
- Energy Management Services Directory that helps companies locate contractors

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**Energy Efficiency: Good for Business – Good for the Environment**



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[New paint booth technology leads to "spectacular" energy savings](#)

"Nothing short of spectacular," is how Jean-François Bond, a research engineer at the Natural Gas Technology Centre describes the new

ventilation system from [Noveo Technologies Inc.](#)  In December 2005, he tested the breakthrough technology at [Canadel](#) , a wood furniture manufacturer in Louiseville, Quebec. The results were stunning.



When Bond and his team compared the energy use of Canadel's 56 paint booths with and without the *Noveo AIR* system, they discovered that the new system could result in a 60 percent energy savings.

“By installing this technology, Canadel can save \$272,500 in energy costs per year,” says Bond. Prior to installing the new technology, Canadel's annual energy bills were about \$400,000.

The secret to the system is quite simple: conservation. Workers apply paints and finishes to products in paint cabinets or booths like the ones at Canadel. There has to be a steady, constant flow of fresh air at a constant room temperature into each individual booth while painting is taking place. Typically, an employee would turn on the ventilation system for the entire eight-hour shift. However, Noveo discovered that the actual painting took place only 30 to 40 percent of the time. *Noveo AIR* monitors when painting stops, and it then reduces the booth's exhaust of heated or air-conditioned air to suit the individual needs of each booth.

Don Marien, Vice President of Noveo, says, “They were throwing money outside. You wouldn't sleep with the window open, so why would you keep the ventilators on when you don't need them?”

It is estimated that there are 10 000 painting booths in Quebec. *Noveo AIR* has already installed or plans to install its systems into several plants, and plans are in the works to move into the American and European markets. *Noveo AIR* is there to help by providing ventilation on demand.

Noveo Technologies Inc. developed the system with the financial help of [Gaz Métro](#)  and [Natural Resources Canada](#)  (NRCan). Gaz Métro and NRCan mandated the Natural Gas Technology Centre to evaluate *Noveo AIR*'s potential energy savings.

“We are very excited about this product. This is our star product, and the potential is enormous,” says Marien.



**New incentive program to help Ontario businesses improve energy efficiency**