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Log-One Ltd. Producing Thermostats for Ontario Schools

May 20, 2010 [Mary Margaret Peralta](#)

Log-One Ltd. will be providing energy efficient thermostats to 4 Ontario school boards as part of the Ontario Green Schools Pilot Initiative.



As a developer and manufacturer of energy efficient thermostats and energy management systems, Log-One Ltd. has developed different thermostats unique to different settings. Log-One's intelligent thermostats were originally meant for portable classrooms, but they are capable of being installed in large buildings and automating the lighting, ventilation, heating and cooling systems. The company has so far created thermostats primarily for schools and apartments. As such, the Ontario Ministry of Education has approved Log-One's participation in the [Ontario Green Schools Pilot Initiative](#) and Log-One will provide the energy efficient thermostats to 4 Ontario school boards.

Log-One Ltd. History and Technology

Hugues de Milleville is the founder and CEO of Log-One Ltd. He also invented Log-One's intelligent thermostat. The energy system promises to use less power to provide the same levels of heating. Additionally, Log-One assures that companies will not only cut down on greenhouse gas emissions, but they will also save money. Energy savings are achieved through:

Intelligent Occupancy Detection:

- energy savings when rooms are vacant
- motion sensors and door contact sensors in schools and offices
- occupant is allowed to control the temperature within a preset range
- controls the lighting in school and office settings

Pre-Heat Technology:

- maximizes energy savings through pre-heating process
- improved comfort, elimination of condensation
- reduced wear and tear of HVAC (heating, ventilation and air-conditioning) equipment, thus a longer life cycle

Pre-Programmed, Self-Sufficient Unit:

- pre-programmed until 2099 with a 10-year battery backup
- 10 year warranty

- no on-going maintenance required

The thermostat's intelligence knows the time of day from the local clock and the system comes complete with a motion detector, door sensor and software to tell whether or not people are in the room. The technology of the energy efficient thermostat focuses on the end result rather than the starting level. The thermostat preheats with 50% of the available capacity, monitors the progress in real-time at a rate of once per minute and adjusts the power needs accordingly, considering outside temperature and other factors. Thus, the thermostat stops and restarts, using the exact amount of energy required with no wastage.

Log-One Providing Energy Efficient Thermostats to Schools

Energy management is a significant issue for school administrators. Log-One's energy efficient thermostat is pre-loaded with school-specific intelligence, so there are no required updates or maintenance, which can be a substantial hidden cost with other solutions. The intelligent thermostat has demonstrated great energy savings over programmable thermostats and it has improved room functionality in comparison to large building automation systems.

Log-One has been awarded 4 new contracts, totalling \$1.7 million from the Ontario Ministry of Education to install the energy efficient thermostat systems in 8 schools for the Ontario Green Schools Pilot Initiative. The school boards include Upper Canada District School Board, Dufferin Peel Catholic School Board, Niagara Catholic District School Board and Toronto Catholic District School Board.

Log-One and the Goal of Energy Management

Log-One Ltd., as a developer and producer of energy efficient thermostats, is dedicated to energy management and providing consumers with the opportunity for energy savings while maintaining a sustainable environment. The Ontario Green Schools Pilot Initiative may very well open the door for Log-One Ltd., positioning the company as an international competitor and creating prospects in the lucrative North American market.

Sources:

Jackson, Brian. Feb. 23,2010. "[Intelligent thermostats could help Ontario schools save money, cut emissions](#)", Wisegrowth.com, accessed May 19,2010.

["Intelligent energy saving thermostats for schools and apartments"](#), Log-one.com, accessed May 18, 2010.

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