

Client Success Story

ESCO

Managers at this ESCO (Energy Saving Company) do not endorse specific manufacturers in writing.

The interview upon which this case study is based is factual and the names have been changed.

References are available upon request.



LOG-ONE

Solution At a Glance:

One of Canada's largest Energy Saving companies (ESCO) utilized the Log-One Green thermostat as part of a larger solution to reduce escalating heating costs in an Ottawa area school board. Programmable thermostats used in 400 school portables were scrapped in favour of the Log-One, which provided far lower set-up and maintenance costs than other solutions, as well as full integration and energy saving features including door and window sensors, built-in smarts, and fail-safe capabilities.

Glen, one of the managers in charge of sourcing an energy saving substitute for the programmables, declared "the results that Log-One talks about are very achievable". He lauded Log-One for their willingness to provide support, which was a real differentiator for him when making his choice. The fact that the ESCO is still using the Log-One Green Thermostat™ is a testament to the product and the company's flexibility, energy saving successes and client support.



The Challenge:

Glen, manager at one of Canada's largest Energy Saving Companies (ESCO) outlined their challenge as follows: "Our client, one of the school boards in Ottawa ON, identified a major board wide problem with regard to heating costs in school portables. With over 400 portables equipped with programmable thermostats, they realized they were not obtaining the energy savings initially promised by this initiative. In fact, their energy costs were increasing due to several key reasons. Firstly, these thermostats had been installed for a while, and the batteries were dying. When this happens, the thermostats revert to a 23° set-point, and run 24/7, including weekends and holidays". No one was spending the time to go to each portable to replace the batteries. This actually drove up heating costs significantly. "The second big disadvantage of the old solution", adds Glen, "was the absence of integration with door contacts and motion detectors – they had no inherent "smarts" to shut off when the portables were not in use or when there were schedule changes. Additionally, programmable thermostats could easily be tampered with and required a great deal of manual effort to set up and maintain".

We Were Sceptical:

Could the ESCO source a ready made energy saving initiative that they could incorporate as part of an their overall solution to the school board? Programmable thermostats were not an option due to high maintenance costs and ongoing support required. Similarly, Building Automation Systems are time consuming and expensive to install, and do not provide the energy saving in-room control which ultimately translates into lower energy costs.

The Solution

“We needed an out-of-the-box product which would provide excellent energy saving results, with no need for ongoing maintenance and support which tend to be a hidden cost of energy management” explained Glen. “We were also looking for a unit which would surpass Building Automation Systems in terms of ease of installation, set-up speed, built-in smarts, and lower costs”.

Glen found the solution in the Log-One Energy Management System (EMS). A stand alone unit, the Green Thermostat™ provides enhanced software capabilities coupled with ease of integration in retrofit installations.

Each portable was outfitted with a Log-One Green Thermostat™. Extremely user friendly, it allows teachers and maintenance staff to make temperature adjustments within set limits, thus giving them a measure of control. In each portable a motion detector works in conjunction with a door contact to ensure heating, ventilation, cooling and lighting are controlled according to numerous parameters, including occupancy and a pre-loaded schedule specific to school boards' needs.

The Results:

From a numbers perspective, “the project was a success, and all savings targets were exceeded”, reports Glen. “In fact, the success initially recorded in the portables led to the Log-One Green Thermostat™ being installed in other classrooms inside the schools where the board wanted some of the intelligence of the Log-One such as set back capabilities, reaction to change in schedules, among other features”.

“Log-One was very responsive and willing to provide support. One of the big benefits of installing their product is that the devices can take care of themselves”, added Glen. This dramatically reduces ongoing maintenance costs.

This particular installation was completed over 10 years ago, the school board is still installing the Log-One thermostats as required, and Glen continues to utilize Log-One products in an ongoing partnership that enables him to provide his clients with the very best in both energy savings and technical superiority.

Contact: For more information on our line of products and services, please visit our web site at www.log-one.com

More on Log-One Green Thermostat Solutions...

For the past 10 years Log-One has helped many school boards save millions of dollars on their energy bills.

For school boards and facility managers like you who need to reduce energy costs, Log-One has developed and patented a line of highly intelligent Energy Management Systems.

Unlike building automation systems which cost thousands of dollars, and unlike programmable thermostats that require a high level of maintenance to maximize comfort and energy savings, Log-One EMS provides a high-level of individual room control while delivering market-leading energy savings.

Some of the benefits our customers see are:

- Increased control of energy bills
- Energy savings typically above 36% (without including Peak kW demand).
- Pay back of under 2 years, and sometimes even under 1 year.
- Simplified installation: Installations are significantly less complex than Building Automation Systems
- Reduced maintenance costs: maintenance costs are almost non-existent and significantly less than PIC or Honeywell programmable thermostats.

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