



The *Maison La Conquête*

Regulvar joins forces with a group of contractors to make a difference.

The *Maison La Conquête*, located in Sherbrooke, was inaugurated on November 27, 2011, and will accommodate 10 people who have severe cognitive impairment. The complex is the result of 7 years of hard work, \$1.4 million and an unwavering commitment of several organizations.

The Martin-Matte Foundation, the Société d'habitation du Québec, the City of Sherbrooke, the CRE (Centre de réadaptation de l'Estrie) Foundation, the Caisse Desjardins des Cantons de l'Est and the regional conference of elected officers all made financial contributions. A group of 16 contractors in the construction industry, including Regulvar, also provided material and labour at no cost to the project organizers. Sponsored by Jean Leprohon, whose company bears the same name, and of Construction Patrick Sévigny, the group gave the equivalent of \$240,000, "without which the project would not have been possible," noted Éric Bonneau, the program manager at the CRE. The contractors' generosity will benefit people who often have great difficulty finding accommodation designed to fit their needs.

The human side of building automation

Interestingly enough, the *Maison La Conquête* could serve as an illustration of the benefits of home automation with regard to health. Although we generally associate this technology with comfort and energy savings, it is perfectly suited to purposes involving assisting people, remote monitoring and information gathering.

The Université de Sherbrooke's DOMUS laboratory, which conducts research on home automation and mobile computing, intends to install devices capable of informing personnel of repetitive or inadequate behaviour or notifying a resident of an abnormality through the use of a screen. The objective is to help individuals acquire a certain level of autonomy and develop their cognitive potential. For instance, they can adjust

the ambient temperature themselves using thermostats provided by Regulvar, albeit only within a specific range.

www.centredereadaptationestrie.org
www.domus.usherbrooke.ca

When combined with the latest technologies, home automation can clearly offer people with limited mobility and cognitive functions alternative methods designed to help them interact with their environment. We can all take comfort in the fact that these applications will most certainly have positive and tangible benefits on a human level.

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Did you know?

Regulvar is a member of the Smart Net-Zero Energy Buildings Strategic Network. The primary goal of this network of 45 universities and companies is to find ways to help Canadian buildings achieve zero average annual energy consumption. **Regulvar** will contribute \$100,000 over five years—50% as a donation and 50% in expertise. Regulvar Inc. President Marc Dugré will sit on the Board of Directors. Additional information regarding this project will be provided in a future newsletter.

www.solarbuildings.ca/index.php/en





HÔTEL LE GERMAIN
CALGARY

The Alt and Le Germain hotels

Satisfied partners

"At the Le Germain hotel in Calgary, Regulvar helped me quickly reduce the noise caused by the mechanical configuration of the heating system by modifying the programming of the building automation system. Although he wasn't on site, Pascal Fontaine explained what needed to be done and in less than 20 minutes, the problem was solved. Regulvar's products and solutions are significantly better than what I used before and I am completely satisfied with the Company's customer service. Thank you."

Martin Dussault

Area Chief Engineer for
the Alt and Le Germain hotels.



Wireless actuators

IDEAL for
updating hydronic
heating systems

An example

The Irénée-Lussier school

The Irénée-Lussier secondary school is housed in a building on Hochelaga Street that was built in 1917. The building's manager, the Commission scolaire de Montréal, recently initiated re-engineering and upgrading work given that some of the equipment had become obsolete. The building, like many others built at that time, is heated using a central water circulation system. What's more, until now, the ambient temperature was controlled by manually adjusting each radiator—a tedious and imprecise task.

Therefore, in order to centralize and automate the operations of the heating system, Regulvar replaced the existing thermostatic valve actuators with 70 wireless and 40 wired motorized actuators that can be remotely programmed and controlled. Their operations are managed via 70 wireless thermostats and 10 controllers. Through the use of wireless devices, this solution provides all the advantages of a building automation

system but significantly reduces the wiring required, greatly simplifies installation, generates savings and limits the inconvenience associated with this type of work. The building automation system implemented by Regulvar also controls the activities related to the boiler room, water circulation throughout the building and two new ventilation units.

This solution proves that it is indeed possible to improve the performance of existing installations by using innovative technologies while minimizing the impacts on the building and its occupants. Other establishments such as the De la Pierre-Douce school in Saint-Pierre-de-Broughton, the Saint-Gabriel school in Thetford Mines, the Curé-Chamberland school in Trois-Rivières, and the Chemin Royal library in Quebec City have integrated valve actuators and other wireless devices in their HVAC systems, with positive results. They chose to put their trust in Regulvar, whose skills and resources help create customized, innovative and reliable solutions.

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Source

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UPCOMING TRAINING

Laval (French) :

ORCAVIEW 3.33
intermediate level
June 4•5

ORCAVIEW 3.33
advanced level
June 6•7

GCL + PROGRAMMING
June 11•12•13

**CREATION OF
GRAPHIC INTERFACE**
June 20•21

Ottawa (English) :

ORCAVIEW 3.33
intermediate level
May 7•8

ORCAVIEW 3.33
advanced level
May 9•10

GCL + PROGRAMMING
May 14•15•16

**CREATION OF
GRAPHIC INTERFACE**
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