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EFFICIENT LOCAL SERVICE *Part of our mission!*

OUR BRANCH IN THE MAURICIE REGION

Founded in 1974, Regulvar has become Québec's largest independent company specialized in building automation, automatic control and integration solutions.

We might be a major player, but that doesn't mean we can't offer our clients efficient local service—quite the contrary! Regulvar has consistently developed and maintained its regional activities, and today has 14 branches employing a staff of 600.

To serve clients in the Mauricie and Centre-du-Québec (4 out of 5 MRCs) regions, Regulvar established a branch in Trois-Rivières in 2013. It has since become the largest building automation service provider in the area.

The team led by Benoît Marchand includes ten electricians and technicians. It oversees projects, construction site jobs, and service and technical support, in close collaboration with the Quebec City branch, which handles sales and engineering.

Mr. Marchand and his team have worked on close to 400 projects in a variety of sectors, notably business, industry, arts and culture, health, hospitality, education and public services.

Like all Regulvar's clients, those in the Mauricie and Centre-du-Québec enjoy a rapid emergency service... at all times!

SUCCESSFUL PROJECTS

Phase II of the CHAUR expansion project has been under way since 2015. The goal is to build a new 12,000-square-metre wing on five floors and to modernize the hospital's existing buildings. Eventually, the centre will have renovated clinics and 50 additional beds.

In health care institutions, air quality is regulated according to strict standards in order to ensure a healthy environment for a vulnerable clientele and staff. The design team mandated Regulvar to implement a centralized automation system to manage the heating, ventilation and air conditioning of eight wings in the hospital complex.

As part of this \$580,000 project, Regulvar put in place a system with close to 2,000 control points. The system coordinates some 100 controllers and 500 motorized valves to ensure optimal comfort in 450 rooms. It also controls most of the mechanical equipment in the new wing: influx of outside air, heat recovery, water and glycol networks, air treatment units, ventilation, evacuation of air from isolation rooms, etc.

Building automation in the **health** sector

The **CENTRE HOSPITALIER** affilié universitaire régional, Trois-Rivières (**CHAUR**)

In terms of safety, we eliminated the risk of the ventilation system shutting down by using a redundancy strategy: the two air influx units and four distribution units are programmed so that each one takes over from the other in the case of a breakdown or voluntary shutdown.

While we're on the subject of health, we should mention that 20 sites of the CIUSSS de la Mauricie-et-du-Centre-du-Québec are already equipped with Regulvar solutions! ●



Trois-Rivières



SUCCESSFUL PROJECTS

Building automation in architecture

COGECO Amphitheatre

Inaugurated in July 2015, the Cogeco Amphitheatre is located on a prominent site at the confluence of the St. Lawrence and Saint-Maurice rivers. Owned by the City of Trois-Rivières, it houses the administrative offices of the Corporation des événements de Trois-Rivières, which manages the space.

In summer, the amphitheatre offers covered seating to 3,500 spectators, with room for an additional 5,500 on the grassy esplanade. In winter, the main area is closed off with a large door and the stage is transformed into a cabaret with a capacity of 350 to 500 people.

Out of the project's \$40 million construction budget, a total of \$205,000 was earmarked for the heating, ventilation and air conditioning (HVAC) system, as well as management of the main power supply.

At the engineering firm's request, Regulvar used its expertise in wireless technology to make the wiring as inconspicuous as possible, in keeping with the minimalist architectural design.

Close to 50 controllers linked to self-powered wireless thermostats and triac relays are controlled from an external workstation running Delta Controls enteliWEB software. Staff at the City of Trois-Rivières can use this workstation to manage the activities of 58 buildings—a model of centralized management! ●



photo : Corporation des événements de Trois-Rivières

Building automation in the food sector

PARMALAT dairy and food corporation

For over 70 years, the city of Victoriaville has been home to a legendary dairy. Founded under the name Lactancia, the dairy was purchased by Ault Foods in 1986, then sold in 1997 to Parmalat.

In 2015, Parmalat decided to add a 38,000-square-foot building to its existing facilities in order to concentrate all of its cheese activities under one roof.

In the food industry, strict hygiene standards are a must. The plants' HVAC systems should not only ensure the comfort of occupants, but should also regulate ambient conditions according to existing standards, specifically with regard to temperature, humidity and contaminants.

The building automation system provided by Regulvar, as part of a \$140,000 contract, allows for the management of the HVAC equipment in both the production areas and offices. A single workstation with enteliWEB software allows the operator to manage the entire dairy operation with ease.

One of the unique features of this project is its mixed panels. Provided by Elkon, a subsidiary of Regulvar, the panels feature mechanical system controls on one side, and power control and switches for the ventilation equipment on the other. ●



photo : Pépin Fortin

	CHAUR - Phase II	COGECO Amphitheatre	PARMALAT
Entrepreneur	Pomerleau	Verreault Construction	Pépin Fortin
Architecture	Bisson Fortin architectes	Paul Laurendeau et François Beauchesne	Binette et Binette
Engineering	Stantec	Dessau et Pluritec	Dessau

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