zone Regulvar

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REGULVAR

Did you know?

Regulvar has carried out nearly **18,000 projects**.

Earthright

A first prize for **Regulvar**

Delta Controls held its annual conference in March, and handed out the first EarthRight Award for Leadership in Sustainability and Energy Management. This prize was created as a way to pay tribute to the most remarkable project among those of all its Partners worldwide.

In recognition of its participation in La Cité Verte's project in Quebec City, Regulvar was the first recipient of this award, and Mr. Marc Dugré was honored to accept the trophy presented by Delta's president, Mr. Brian Goodchild.

This initiative is a testimonial to Delta's commitment to environmental sustainability. For the last 30 years, the company has been developing products to facilitate energy consumption reduction for all types of buildings. It wishes to recognize the environmentally responsible practices of its customers and partners by highlighting their efforts and environmental commitments.

Since Regulvar shares Delta's values in this regard, this award serves as a motivation to continue its pursuit of green solutions and the development of its expertise in this field.

Source • **Marc Dugré,** Eng.
President
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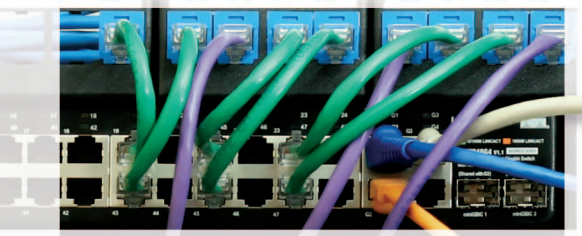
HCM
Hitachi Cable Manchester



Hitachi certified wiring

Since building automation systems use an increasingly large amount of digital, electronic and computer devices, their operation no longer solely relies on the various devices used, but on the efficiency and harmony of the communication between them. This is where networking comes in.

To help its customers reap all the benefits of building automation, Regulvar constantly works on expanding its networking expertise, and has assigned its specialized team to provide customers with well designed, stable and easy to manage networks.

Since wiring is an essential part of any network, more and more customers require it to be certified. Regulvar already provided wiring certification services to its clients, but has recently decided not to resort to external resources, and entrusted this task to the members of its information technology department. To this end, they recently received training from Hitachi.

This means that trained personnel have the authority to certify the quality of wiring, as well as installation and operation. If the client wishes, additional testing can be performed in order to benefit from a lifetime warranty. In all cases, customers enjoy a quality assurance of their network facilities, improve the reliability of their systems, and limit potential costs related to maintenance or repairs. Being well-connected means getting the expected results.

Source • **Stéphane Lorrain**
Coordinator, IT department
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UPCOMING TRAINING

ORCAVIEW 3.33
DIGITAL CONTROLLERS
INTERMEDIATE LEVEL

The main objective is to familiarize participants with the ORCAview software and with Delta digital controllers.

Laval : **May 31** • **June 1** (French)
Ottawa : **in October** (English)

ORCAVIEW 3.33
DIGITAL CONTROLLERS
ADVANCED LEVEL

The purpose of this training is to understand the advanced software functions.

Laval : **June 2**•**3** (French)
Ottawa : **in October** (English)

GCL + PROGRAMMING
(GENERAL CONTROL LANGUAGE)

The objective of this training is to understand the programming of Delta digital controllers.

Laval : **June 7**•**8**•**9** (French)
Ottawa : **in October** (English)

CREATION OF GRAPHIC INTERFACE
WITH ILLUSTRATOR

The objective of this training is to create graphic interfaces with the ORCAview 3.33 Illustrator module software.

Laval : **June 16**•**17** (French)
Ottawa : **in October** (English)
Depending on enrollment

For more information,
please contact **Mary Arial**
at 613-565-2129, extension 2100

SELF-POWERED VALVES

Rethinking HVAC systems

Five years ago, Regulvar put together a research and development team which was given the mandate to create and develop products tailored to its clients needs, or products that are not yet available on the market. For the last several years, the team has concentrated its efforts mainly on the development of wireless self-powered technologies, primarily because of their many advantages like ease of installation, simplicity of maintenance, energy efficiency and contribution to green solutions.

Although widely used in the fields of lighting and room control, wireless self-powered products still rarely contribute to mechanical systems. To change this situation, the team focuses on the development a **wireless self-powered valve** designed for peripheral heating devices (heaters, radiators and others). Integrated into the valve, the device will receive commands from a wireless control system, and generate the necessary power through the transformation, accumulation and redistribution of energy from an available, yet untapped source.

In addition to simplifying the installation of new valves in HVAC systems, this innovation will make it possible to automate thermostatic valves, update facilities, and install valves in sites where installing cables is difficult or impossible. This will allow the rethinking of mechanical systems design, as well as the improvement of systems for which wiring represents a problem.

Source • **Mathieu Lajoie,** Eng.
R&D coordinator
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Wireless HVAC

NEW PRODUCT

In the fields of HVAC and building automation systems, wireless technologies are increasingly put to use. In keeping with that trend, Regulvar continues to develop solutions designed to get the most out of their many advantages, and is pleased to offer its customers RW-SV86 electric actuators. These actuators are equipped with a wireless communication through which they receive commands from various devices – such as the RW-TP01 thermostat – through the EnOcean protocol at frequencies of 315 or 868.3 MHz.

The applications of these actuators are numerous because they are compatible with Spartan's entire line of zone valves for the control of hot water, cold water, 50% glycol mix and low pressure steam. With a life span of approximately 500 000 cycles, these actuators allow valves to maintain a precise position throughout their course and, and with the help of an electro-optical rotation counter, they ensure optimal positioning by avoiding any possible drifting.

Obviously, because they are used in association with wireless control devices, their use significantly reduces the need for cables, and thereby the costs associated with installation, maintenance and possible layout modifications. This makes them an ideal solution for the replacement of pneumatic, thermal or other actuators. They function very well as standalone devices, but they can also be integrated into a BACnet network and associated with a variety of wireless devices in order to develop beneficial energy-saving scenarios. In short, this is a wireless solution full of common sense!

Source • **Michel d'Amour**
Sales manager – distribution
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