



Did you know?

Regulvar regularly offers scholarships to deserving students.

Cisco Networkers Solutions Forum

Regulvar was in Toronto last May for the tenth edition of the Cisco Networkers Solutions Forum. The theme was "impact, innovation, imagination" and the goal was to forge a path for tomorrow's IT and networking world. For the first time, a booth was dedicated to the new market created by the close ties between information technology and building systems. Ten Cisco partners, including Delta Controls and Regulvar, presented their solutions, which proposed an innovative way to control a building's technical system parameters using a Cisco phone. By doing so, they demonstrated the compatibility between Cisco's communication technologies and building automation systems, as well as the potential benefits that can be achieved.

Source • **Hugo Lafontaine**
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Regulvar launches its new visual identity



Since its founding in 1974, Regulvar has developed on several fronts. Throughout its growth, the Company has expanded and modified its activities and it eventually became apparent that its image needed to be updated. A decision was therefore made in 2009 to rework the Company's visual identity to better reflect its corporate personality and so that it could be used consistently in all of its activities.

The first step of this process was creating a new logo. Inspired by its previous version, the logo reflects the Company's evolution while remaining true to its roots. It sports new colours that will set the tone for all communications media.



This initiative also led to the creation or improvement of a variety of communication tools designed to showcase the Company to customers and partners, inform them about the field of building automation and effectively communicate information that meets their expectations and needs. This newsletter, which was recently renamed *Zone Regulvar*, was the first to benefit from this goal towards improvement.

However, the project that is at the heart of this rejuvenation is unquestionably our new website. In development for several months, it is now online. This site is a gateway that will provide everyone with user-friendly access to information regarding Regulvar and the nature of the services offered. It is with pride that we invite you to pay us a visit.

Nathalie Fradet
Editor

www.regulvar.com



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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 (French): September 13-14
Ottawa (French): September 13-14
Ottawa (English): October 18-19

ORCAVIEW 3.33 DIGITAL CONTROLLERS ADVANCED LEVEL

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

Laval (French): September 15-16
Ottawa (French): September 15-16
Ottawa (English): October 20-21

GCL + PROGRAMMING (GENERAL CONTROL LANGUAGE)

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

Laval (French): September 21-22-23
Ottawa (French): September 28-29-30
Ottawa (English): October 25-26-27

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 (French): September 29-30
Ottawa (French): October 6-7
Ottawa (English): Selon les inscriptions

For more information,
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Regulvar and museology An automatic alliance

Conservation: an important challenge

In view of their mission, museums must ensure the longevity of their collections while avoiding any deterioration. In order to meet this challenge, they need to effectively monitor the environment—light, temperature and humidity are key allies in preserving and showcasing valuable objects, but they are also their greatest enemies. The key lies in the balance.

The Canadian Museum of Civilization

This magnificent Museum, whose construction began in 1984, opened its doors on June 29, 1989. The buildings, located on a site covering 9.6 hectares, have a floor area of approximately 100,000 square metres. The buildings' unique architecture is recognized worldwide, and although their fluid shape is inspired by nature, leading-edge technologies are at the heart of their existence. In fact, designers used computer-aided design to create their curved shape and the technical systems rely on technologies such as digital control and a fibre optic network.

A necessary modernization

Dating back more than 20 years, the HVAC control system is considered outdated and must now be replaced. Some technical limitations related to the initial installation must also be addressed. To this end, it was decided that the digital control system and all controllers should be replaced, that cables should be replaced in order to meet the required standards and that a state-of-the-art communication network should be developed.

To carry out this project, Regulvar will propose an innovative solution based on Ethernet/BACnet technology that is designed to manage the entire system. Rather than using a traditional daisy chain network with a throughput of 76,800 bits per second, it will use an Ethernet network with a star topology and a throughput of 10 million bps. The great innovation of this solution lies in the fact that it will not only apply to the control systems, but also to terminal equipment, namely 800 variable air volume (VAV) units. More than 150 digital controllers compatible with Ethernet technology will be linked by local area networks (LAN) to a fibre optic backbone. The existing fibre optic network will provide real-time access to data since it ensures a high throughput and increases the distance traveled by the data. In addition, web and storage servers will provide workstations with more immediate access to useful statistics.

Solid expertise

This project will meet all of the Museum's requirements in terms of heating, ventilation and air conditioning control. Given that Regulvar has completed projects for institutions such as Library and Archives Canada, the Canada Aviation and Space Museum, and the Canada Science and Technology Museum, it has acquired enviable expertise in this field and the Museum is in good hands.

Source • **Michel Harel**
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