Advanced Objects and Controllers

enteliWEB and ORCAview software and digital controllers

Structure	Level	Cost	Duration
50% Theory 50% Practice	Advanced	**$980** + taxes per participant	2 days (16 hours)

Objective

The objective of this training session is to learn the more advanced functions of enteliWEB or ORCAview software.

The participant will be able to understand and optimize mechanical systems.

- Controllers (addressing, architecture, communication)
- Creation of BACnet objects (Input, Output, Control loop, Optimum Start, Event, etc.)
- Control loop adjustment
- Configuration object setting (AIC, AOC, BDC, MIC)

Audience

Project managers, system engineers, product managers, after-sales or maintenance support technicians, integrators who design, install, use, diagnose or upgrade a BACnet network.

Prerequisites

- BAS level II / BACnet Object Handling
- Basic knowledge of the Windows environment

Dates, venue & registration

regulvar.com/training

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Course Content

1 User Security of ORCAview station/enteliWEB server
- Object SUG: user group
- Object SUG: related to the SUA object
- enteliWEB user
- enteliWEB group

2 BACnet Objects and advanced objects
- Binary inputs (BI)
- Analog inputs (AI & AIC)
- Multi-states inputs (MI & MIC)
- Binary outputs (BO)
- Analog outputs (AO & AOC)
- Binary variable (BV)
- Binary device configuration (BDC)
- Inputs & outputs wiring
- Configuration of multi state variables (MV)
- Reverse acting
- Priority array

3 Practical exercise - enteliWEB software
- AIC creation
- AOC creation
- BDC creation
- MIC creation
- MV creation

4 Control loop (PI/CO)
- General explanation of the control loop functioning
- Explanation of the control loop in a Delta controller
- Needs for control loop

5 Optimum Start
- Explanation of an optimum start and its applications

6 Network architecture
- Levels
- DNA
- BACnet/Ethernet
- BACnet/IP
- Wiring of operation station and enteliWEB server
- MS/TP readdressing exercises

7 Delta Controls BACnet products
- Introduction of Delta Controls products
- Building Manager (BM)
- Building Controller (BC)
- System Application Digital Controller (SADC)
- Application Digital Controller (ADC)
- Sensors
- Regulation devices