ATLANTIC CANADA WATER & WASTEWATER ASSOCIATION
American Water Works Association
Atlantic Canada Section
Water Environment Federation
Preserving & Enhancing the Global Water Environment

Process Control and SCADA Fundamentals

Sept 20-21, 2022 1-5 PM AST

Course Description:
Control and Automation systems are becoming more common in our industry and they are playing an increasingly larger role in the daily tasks of an operator, while they are getting more and more complex. This course will help operators understand the components that make up a Supervisory Control And Data Acquisition (SCADA) system from the process and its instruments, through controllers and communication systems, to the interface. Operators will not only gain knowledge that will help troubleshoot existing control system issues, but also learn about options available when upgrading, expanding or replacing SCADA systems.

Detailed Agenda:

Introduction	0.50	hour
Levels of Control System	0.50	hour
Analog and Discrete Instrumentation	1.00	hour
Morning Break	0.25	hour
PLCs & RTUs	1.00	hour
Communication Networks & Protocols	0.75	hour
Lunch	1.00	hour
HMI & SCADA Systems	1.50	hour
Afternoon Break	0.25	hour
Design Considerations	1.00	hour
Cyber Security	0.50	hour
Questions	0.25	hour

Presenter: Bart Nelissen
Bart graduated from a Process and Environmental Technologies program in the Netherlands in 1993 and started his working career as a lab tech and plant operator, before starting building control systems in the late '90s. Since then, Bart worked for various consulting companies where he provided control system solutions for the oil and gas, water and wastewater, food and beverage and manufacturing industries. He has corporate experience at various levels, having started several companies throughout his career, and having been a senior manager at others. Bart has been an active member of the BCWWA and Alberta AWWOA since his career is dedicated to the water and wastewater sector in 2015, attending events, sponsoring and presenting lectures.
Bart is passionate about teaching and mentoring, and has been a SCADA Software instructor for two specific SCADA software solutions for several years; Instruct Schneider InTouch SCADA software for the International Brotherhood of Electrical Workers (Electrical Union) and General Electric Cimplicity SCADA software covering Western Canada. Aside from that, educating Clients as part of a SCADA project has become more and more common with the involvement of multiple Client departments such as IT, Management, Maintenance, Engineering, Accounting and of course Operations.

Registration can be made by faxing or mailing the registration form, or on-line at www.acwwa.ca. For further information, please contact ACWWA Section office at 902-434-6002.

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(If no membership number is listed, you will be invoiced as a non-member. See pricing below.)

Fee for **ACWWA or WEF** Members & **Employees of Utility Members**
Course: $195.00 + $29.25 HST (15%) = $224.25

Fee for Non – Members
Course: $225.00 + $33.75 HST (15%) = $258.75

Payment can be made by visa, master card or cheque. Invoices will be sent to the address listed above.

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