What is your Cloud IQ? Is the Cloud for you?

As technology advances, where do you need to be?

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FORMAT

30 minute presentation

KEYWORDS

Cloud, SCADA, HMI, Technology, Automation, Process, Design, Readiness, Dashboard, Report, Data, Smart Phone, Tablet, Integration, Smart Sensors, Sensors, network

ABSTRACT

We live in a Cloud connected world. Technology advances every day as many new products and services enter the market. This includes Cloud Services in addition to other technologies. The Cloud can have different meanings to each person but includes Internet connectivity, Smart Phone, Tablet Computers, and Web enabled access to your plant Control System, Instruments, SCADA, Data, Reports, and Dashboards. The Cloud has the promise of tools and services to promote a more efficient operation. Many questions arise such as: Are you keeping up? Do I need to keep up? How do I take advantage of technology? How do Cloud technologies translate to more efficient and optimized operations? Where Do I Start?

This presentation will discuss Control Systems, and SCADA / HMI systems using Web / Cloud technology developments that plants need to evaluate for more efficient operation. Also included is a discussion of Web / Cloud enabled technologies on the plant floor control systems from sensor, controller, final control elements, HMI / SCADA, and networking.

This presentation offers ideas and considerations for professionals in the Water/Wastewater industry including end-users, consultants, integrators, and OEMs.

Guidance for developing your plan will be presented including:

- Where do I Start?
- What is possible?
- What do I want to accomplish?
- What are the advantages and disadvantages?
- What is my plan?

This presentation will have a number of case examples to support and reinforce the topics discussed in addition to lessons learned. Case examples will range in scale from minor upgrades and technology enhancements to new installations.

ABOUT THE AUTHOR

Daniel Sheldon, P.E. *is a Senior Process Control System Engineer at Xylem Inc. and leads control system, automation, and advanced process control system product development for Biological Wastewater Treatment systems. Dan has a BS in Physics and Math from Carroll [College] University and is a Registered Professional Engineer in Wisconsin. He has 27 years of experience with process system automation, controls, instrumentation, electrical, and software system engineering, development, design, and deployment mainly in the water/wastewater industry.*