

Successful SCADA specifying and implementation for Water and Waste Water Projects

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ABSTRACT

The goal for any SCADA system project should include assurances to meet desired budget and schedule. Yet statistics show that fully 2/3rds of all SCADA projects fail on both desired budget and schedule. As a system integrator with over 30 years-experience implementing SCADA, the author tries to explain how budget and schedule can be met through early considerations, including: 1) Requirements Engineering; 2) Successful Project Plan; and 3) Modern day architecture preferences and technologies specified, rather than simply brand name preferences, containing considerations for virus protected SCADA. The project quality also has an improved chance for success with these same three upfront considerations.

This power point presentation will explain further how to successfully implement front end loading projects along with requirements engineering, covering how to write better specifications with more meaningful milestones, how to include better engineering project measurements, and how to better anticipate project obstacles. Considerations will also show how industry standard practices and procedures, such as those advocated by CSIA (Control Systems Integrators Association) can help assure the success of a project; and such process and procedures are almost certainly necessary to meet project budget, schedule, and quality objectives.

About the Author:



Robert K. Reinhart is co-founder and Director of Engineering of Controls Link, Inc., a Pittsburgh, PA and Tampa, FL based control systems engineering firm, established in 1990. Typical projects include both specifying and implementing SCADA. Mr. Reinhart is past chairman of CSIA (Control System Integrators Association), past president of Pittsburgh ISA Section, and the current president of Tampa ISA Section.