

Title

Bussed I/O: Practical Selection and Design

Abstract

Several Bussed I/O standards have been readily available and implemented in a wide variety of industries for over 10 years. Unlike the initial installations of the late 90's, today's plant designers have a nearly limitless list of devices to choose from for each bus standard and hundreds of successful installations. Most system designers no longer ask themselves whether to implement bussed I/O systems, but rather how to optimally deploy the options available.

The presenter addresses the following questions in detail from real plant design and startup experience:

1. What does my bussed I/O really provide?
2. How many bus standards do I need in my plant?
3. Which bus is best for which applications?
4. How do I segregate devices onto the bus segments?
5. What calculations should I use in the design of my bus segments?
6. How should I document by segment design?

Speaker

Dan Katzinski is Vice President of Cascade Solutions and serves as the primary technical consultant for automation and electrical services. He co-founded the company in 1994 with President John Sever, and has 17 years of electrical, instrumentation and process control engineering experience. Prior to founding Cascade, Mr. Katzinski worked as a project electrical engineer for FMC Corporation's Phosphorous Chemicals Division, as a systems engineer for the Control Systems Division of Rosemount, Inc., and as an electrical and instrumentation engineer for General Electric Plastics. Dan earned his B.S. in Electrical Engineering from the University of Louisville, Kentucky.