Security in Industrial Networks

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Integration of control and business systems is becoming ever more critical to the success of today's factories and business systems. This integration is being driven by the rapid adoption of digital communications from device level (fieldbus, wireless) through the control system (Ethernet), and into the MES and ERP business planning systems. Of course, there must be economic incentives that result from the effort required to bring all this information together to enable systems to respond in real time to all the changes in the operating environment of the plant/process, the process inputs/ingredients, and the market into which they are being sold.

The key factor making this integration possible is the adoption of standards. This presentation will share how the standards developed by ISA, in particular the ISA-95 (Integration), ISA-99 (Security), ISA-100 (wireless) and ISA-84 (safety) standards are being used to make this integration of business and automation possible.

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