



# **Industrial Network Security: Securing Critical Infrastructure Networks for Smart Grid, Scada, and Other Industrial Control Systems**

*Eric D. Knapp , Joel Langill*

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As the sophistication of cyber-attacks increases, understanding how to defend critical infrastructure systems--energy production, water, gas, and other vital systems--becomes more important, and heavily mandated.

*Industrial Network Security, Second Edition* arms you with the knowledge you need to understand the vulnerabilities of these distributed supervisory and control systems.

The book examines the unique protocols and applications that are the foundation of industrial control systems, and provides clear guidelines for their protection. This how-to guide gives you thorough understanding of the unique challenges facing critical infrastructures, new guidelines and security measures for critical infrastructure protection, knowledge of new and evolving security tools, and pointers on SCADA protocols and security implementation.

All-new real-world examples of attacks against control systems, and more diagrams of systems

Expanded coverage of protocols such as 61850, Ethernet/IP, CIP, ISA-99, and the evolution to IEC62443

Expanded coverage of Smart Grid security

New coverage of signature-based detection, exploit-based vs. vulnerability-based detection, and signature reverse engineering

## **Industrial Network Security: Securing Critical Infrastructure Networks for Smart Grid, Scada, and Other Industrial Control Systems Details**

Date : Published December 29th 2014 by Syngress Publishing (first published August 15th 2011)

ISBN : 9780124201149

Author : Eric D. Knapp , Joel Langill

Format : Paperback 460 pages

Genre :



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# **From Reader Review Industrial Network Security: Securing Critical Infrastructure Networks for Smart Grid, Scada, and Other Industrial Control Systems for online ebook**

**Fuat Ulugay says**

This is a very comprehensive book about ICS Security. I suggest it.

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**Robert Lee says**

Eric is a true expert on Industrial Control System (ICS) networks and their security. He's taken his passion as well as experience and created an amazing book that is usable by anyone in the field. It's not often a book can use the words "SCADA" "ICS" and "security" and be seen as accurate and useful. There's just a lot of misinformation in the field but you will not find any within this book. A great read!

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