



## Alarm Management for Process Control:

A Best Practice Guide for Design, Implementation, and Use of Industrial Alarm Systems

By **Douglas H. Rothenberg**, Ph.D.

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Process alarms are an integral part of all production management and control systems. Improved alarm management is an effective way to provide operators with high-value support and guidance to successfully manage industrial plant operations. This book is a thoughtful and complete treatment of best practices in alarm management for industry. The technology and approaches provide the opportunity to completely understand the **what**, the **why**, and the **how-to** for successful alarm systems.

This book elevates alarm management from a fragmented collection of procedures, metrics, and trial-and-error to the level of a technology discipline. Here, fundamental underpinnings provide a level of understanding that is independent of opinion and partial experience. All critical tasks are explained, with examples and insight into what they mean. Alternatives are everywhere to enable industrial users to tailor-make solutions to their particular sites.

Recommended for the following audiences:

- Industrial/Commercial
  - Control room operators
  - Operations supervisors
  - Plant engineers, controls engineers & technicians, maintenance engineers
  - Plant safety personnel
- Engineering consulting and services firms
  - Business managers
  - Engineers and technicians
- Industrial segments include
  - Petrochemical
  - Power
  - Metals
  - Pulp and Paper
- Municipal Waste and Water Treatment
- Pharmaceuticals
- Food
- Calcining
- Industrial Gas Production
- Pipelining
- Manufacturing operations include
  - Continuous production normally managed by a large-scale DCS
  - Batch operations normally managed by PLC or DCS
  - Discrete manufacturing operations normally managed by PLC or special purpose controls

What they are saying:

"This book provides a thorough view of what it takes to manage our alarms. But it is not just a book on alarm management; the underlying messages are about Safety and Awareness. It solidly conveys the mantra that the most effective way to run a manufacturing site is this: ensure employee safety & provide a work environment that delivers the right amount of information at exactly the right time."

"For those just getting into alarm management, this book could be a knick-of-time cornucopia of information!"

**Douglas H. Rothenberg, Ph.D.** is President of D-RoTH, Inc.; Shaker Heights, Ohio USA

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