



# Applied Operational Excellence for the Oil, Gas, and Process Industries

By Dennis P. Nolan, Eric T Anderson

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## Applied Operational Excellence for the Oil, Gas, and Process Industries By Dennis P. Nolan, Eric T Anderson

Applied Operational Excellence for the Oil, Gas, and Process Industries offers a straightforward practical guide for oil and gas companies to understand the comparisons and contrasts between various types of safety management processes, including the standardized structure and ongoing extended benefits that operational excellence can bring to an oil and gas company.

The goal of achieving operational excellence is to reduce costs, improve productivity, and enhance efficiency?in other words, operational excellence contributes to the bottom line. Following along with pre-built success in the process industries, many companies in the oil and gas industry appear to use a subset form of operational excellence, yet many are unsure or unaware of all the safety system components that will truly benefit the company holistically, and current literature is only applicable to the process and manufacturing industries.

Packed with clear objectives and tools, structure guidelines specific to oil and gas, and guidance for how to imbed your existing safety program under the operational excellence umbrella known as "One-Step Merger," this book will help you establish an overall safety culture vision and challenge your organization to achieve higher levels of safety management and overall company value.

- Explores how to solidify a foundational operational excellence program applicable for your oil and gas company
- Clarifies the differences and benefits among various programs under operational excellence (OE), such as SHE (safety, health, and environment), PSM (process safety management), and SMS (safety management system)
- Explains how to audit and consistently assess how oil and gas OE systems are planned, implemented, and managed, with explanations on cost and time impacts as well as administrative protocols
- Includes a glossary, acronym appendix, and additional references for further reading

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### **Editorial Review**

#### **About the Author**

Dr. Dennis P. Nolan has had a long career devoted to risk engineering, fire protection engineering, loss prevention engineering and systems safety engineering. He holds a Doctor of Philosophy degree in Business Administration from Berne University, Master of Science degree in Systems Management from Florida Institute of Technology and a Bachelor of Science Degree in Fire Protection Engineering from the University of Maryland. He is a U.S. registered professional engineer in fire protection engineering in the state of California. He is currently on the Executive Management staff of Saudi Aramco, located in Dhahran, Saudi Arabia, as a Loss Prevention Consultant/Chief Fire Prevention Engineer. He covers some of the largest oil and gas facilities in the world. As part of his career, he has examined oil production, refining, and marketing facilities under severe conditions and in various unique worldwide locations, including Africa, Asia, Europe, the Middle East, Russia, and North and South America. His activity in the aerospace field has included engineering support for the NASA Space Shuttle launch facilities at Kennedy Space Center (and for those undertaken at Vandenburg Air Force Base, California) and "classified" national defense systems. Dr. Nolan has received numerous safety awards and is a member of the American Society of Safety Engineers. He is the author of many technical papers and professional articles in various international fire safety publications. He has written at least four books, several published by Elsevier.

Eric T. Anderson has over 28 years of experience in oil, gas, and petrochemical expertise within fire, health, safety, environment, and security support function. Eric recently supports operational excellence adoption programs for current and past employers. Eric earned his Bachelor's at the University of Wisconsin and a Master's at the University of Minnesota, both in Safety/Industrial Hygiene with post graduate studies focusing on Finance Management at the Stanford Graduate School of Business.

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