


# Human Factors Methods for Improving Performance in the Process Industries

*By CCPS (Center for Chemical Process Safety)*

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**Human Factors Methods for Improving Performance in the Process Industries** By CCPS (Center for Chemical Process Safety)

*Human Factors Methods for Improving Performance in the Process Industries* provides guidance for managers and plant engineering staff on specific, practical techniques and tools for addressing forty different human factors issues impacting process safety. Human factors incidents can result in injury and death, damage to the environment, fines, and business losses due to ruined batches, off-spec products, unplanned shutdowns, and other adverse effects. Prevention of these incidents increases productivity and profits.

Complete with examples, case histories, techniques, and implementation methodologies, *Human Factors Methods for Improving Performance in the Process Industries* helps managers and engineering staff design and execute an efficient program. Organized for topical reference, the book includes:

- An overview on implementing a human factors program at the corporate level or the plant level, covering the business value, developing a program to meet specific needs, improving existing systems, roles and responsibilities, measures of performance, and more
- Summaries of forty different human factors relating to process safety, with a description of the tools, a practical example with graphics and visual aids, and additional resources
- Information on addressing the OSHA Process Safety Management (PSM) requirement for conducting human factors reviews in process hazard analyses (PHAs)
- A CD-ROM with a color version of the book

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## Editorial Review

From the Back Cover
**The proper application of human factors is a valuable investment in overall process safety**

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About the Author
Since 1985, the **Center for Chemical Process Safety** (CCPS) has been the world leader in providing information on process safety management and technology. CCPS, an industry technology alliance of the American Institute of Chemical Engineers (AIChE), has published over eighty books in its process safety guidelines and process safety concepts series. In this book, CCPS teams up with the AIChE Safety and Health Division. Members of the CCPS Human Factors Subcommittee contributed chapters or sections in their areas of expertise. For more information, visit www.ccpsonline.org.

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