



Chemical and Process Plant Commissioning Handbook: A Practical Guide to Plant System and Equipment Installation and Commissioning

By Martin Killcross

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The *Chemical and Process Plant Commissioning Handbook*, winner of the 2012 Basil Brennan Medal from the Institution of Chemical Engineers, is a guide to converting a newly constructed plant or equipment into a fully integrated and operational process unit. Good commissioning is based on a disciplined, systematic and proven methodology and approach that achieve results in the safest, most efficient, cost effective and timely manner.

The book is supported by detailed, proven and effective commission templates, plus extensive commissioning scenarios that enable the reader to learn the context of good commissioning practice from an experienced commissioning manager. It focuses on the critical safety assessment and inspection regimes necessary to ensure that new plants are compliant with OSHA and environmental requirements. Martin Killcross has brought together the theory of textbooks and technical information obtained from sales literature, in order to provide engineers with what they need to know before initiating talks with vendors regarding equipment selection.

- Unique information from a respected, global commissioning manager: delivers the know-how to succeed for anyone commissioning new plant or equipment
- Comes with online commissioning process templates that make this title a working tool kit as well as a key reference
- Extensive examples of successful commissioning processes with step-by-step guidance enable readers to understand the function and performance of the wide range of tasks required in the commissioning process

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Editorial Review

Review

"This handbook for new and experienced commissioning engineers, project managers, and operations managers offers a methodology for commissioning chemical and process plants, which can be used when commissioning a new plant, or for modified equipment in an existing facility, or in a turnaround or overhaul scenario. The handbook takes the approach that commissioning is a series of checks and counter-checks to confirm that the newly constructed chemical plant is fit for purpose and suitable for ongoing operation. The book is divided into sections on preparation, implementation, and close-out, with much information in bullet list format. For each step of the process, the handbook offers worked examples, checklists, and guidance on paperwork. The book also includes about 70 pages of sample blank documents, which can be used to create commissioning manuals, plus 40 pages of schematics and engineering drawings especially designed to illustrate info in the handbook. Killcross is a commissioning consultant." --**Reference and Research**

Book News, October 2012

About the Author

Commissioning manager for URENCO ChemPlants, UK

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