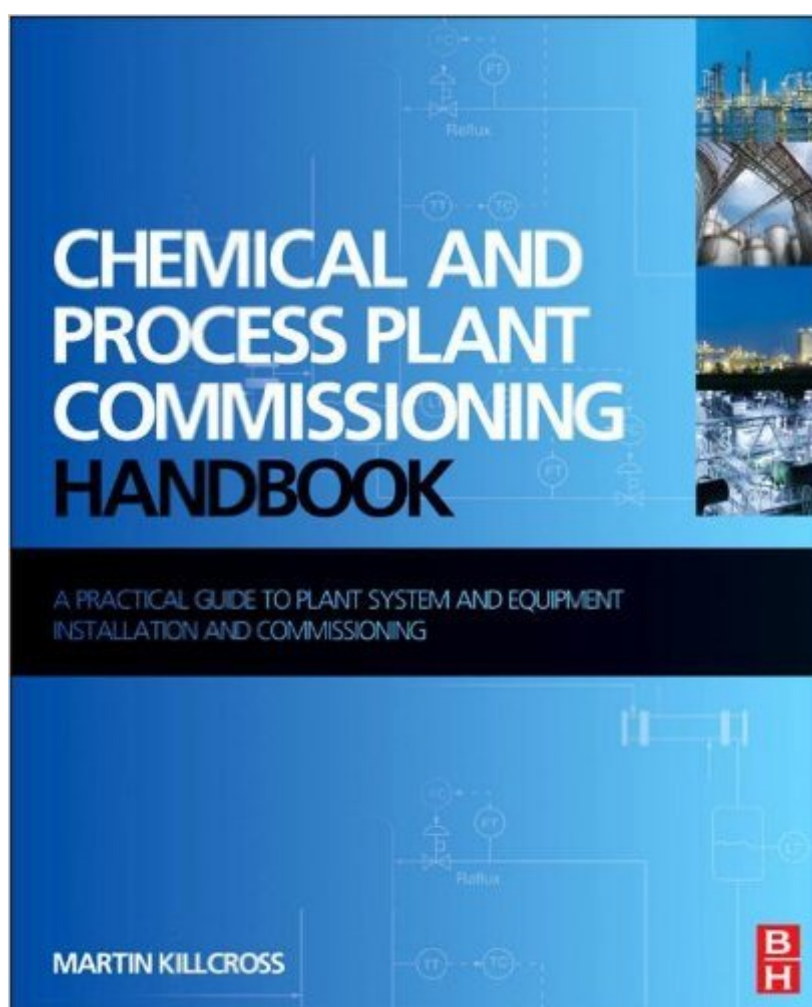


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Chemical And Process Plant Commissioning Handbook: A Practical Guide To Plant System And Equipment Installation And Commissioning



Synopsis

The Chemical and Process Plant Commissioning Handbook is a must have for engineers in the chemical process and process plant sectors, or for those refreshing their skills in this area. It provides a guide and reference to preparing a systematic methodology for converting a newly constructed plant, as well as streamlining equipment into an operational process unit. Includes downloadable commissioning process checklists that comply with industry standard best practice which readers can use and adapt for their own situations. The reference focuses on the critical safety assessment and inspection regimes necessary to ensure that new plants are compliant with OSH(A) 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.
Â Delivers the know-how to succeed for anyone commissioning a new plant or equipment. Comes with online commissioning process templates which make this title a working tool kit. Extensive examples of successful commissioning processes included, and step-by-step guidance to assist understanding of the wide range of tasks required in the commissioning process.

Book Information

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Customer Reviews

*****A chemical plant is an industrial process plant that manufactures chemicals, on a large scale, via the chemical, and physical or biological conversion and/or material separation. Chemical plants use special technology with units, equipment, and control systems to achieve its final product. Worldwide, only a limited list of international contractors are capable of designing and constructing process units, like Bechtel, Fluor, KBR, Lummus, Lurgi, Parsons, and Chiyoda, JCC in Middle and Far East. Contractors could still provide pre & commissioning services, and may support the start up, in coordination with process Licensors. This guide covers commissioning of chemical process plants, to complement industrial plant/ equipment completion check, prior to plant start up. Pre & commissioning are conducted by, or on behalf of the owner/operator to guarantee that the engineering contractor has fulfilled his contractual obligation towards the mechanical and structural completion of plant facilities. The units are to be turned in a clean tidy condition. The construction is considered complete with the signing of the 'mechanical completion check list', such as API Publication 700. All the activities specified in the Completion Checklist are to be agreed as have been carried out. This HB offers a complete coverage of the whole activity in an orderly and practical manner, from planning to implementation, and hand over, neatly summarized in Simplified Logic, pp xix. The conventional start up wisdom proves Killcross hands-on experience, which he acquired with ICI, a World-Class chemical manufacturer, is reflected in 'Safety and Environmental Consideration', followed by Scope of the HB. His approach is the traditional one throughout the industry, but Mr.

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