

Managing Engineering, Procurement, Construction, and Commissioning Projects

A Chemical Engineer's Guide

The book details the role of a chemical engineer in the Engineering, Procurement, Construction and Commissioning (EPCC) industry and provides the reader with a clear and structured view on the tasks ahead.

The book leads the reader through the different phases of an Engineering, Procurement, Construction and Commissioning (EPCC) project and discusses the necessary tasks and considerations from a chemical engineer's perspective, from scope planning to construction support and operator training.

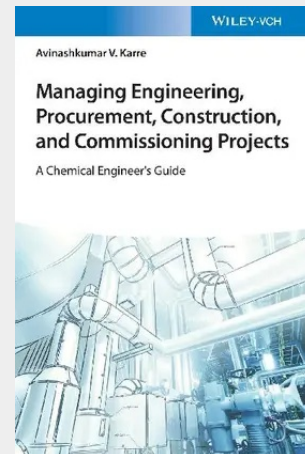
An invaluable real-world guide to managing large-scale and complex Engineering, Procurement, Construction and Commissioning (EPCC) projects

Engineering, Procurement, Construction and Commissioning (EPCC) infrastructure projects require engineers from several disciplines to adhere to strict budgetary, scheduling, and performance parameters. Chemical engineers involved in EPCC projects are involved primarily in ensuring that the process plant is designed correctly and safely-interacting with the client, contributing to feasibility studies, selecting specific technologies, developing process flow diagrams, and other key tasks.

Managing Engineering, Procurement, Construction, and Commissioning Projects: A Chemical Engineer's Guide clearly defines the role of a chemical engineer in the EPCC industry and provides detailed and systematic coverage of each phase of an EPCC project. Drawing from their extensive experience in process design, optimization, and analysis, the author identifies and discuss each key task and consideration from a chemical engineer's perspective. Topics include scope and process planning, construction support, operator training, safety and viability evaluation, and detail engineering.

- Provides a structured overview of the various challenges chemical engineers face in each project phase
- Introduces the essential aspects of the Engineering, Procurement, Construction and Commissioning industry
- Describes the roles of chemical process engineers in each phase of EPCC projects and in different EPCC industry positions
- Discusses the interaction of process engineers with other disciplines and clients

Managing Engineering, Procurement, Construction, and Commissioning Projects: A Chemical Engineer's Guide is a must-have resource for chemists in industry, process engineers, chemical Engineers, engineering consultants, and project managers and planners working on EPCC projects across the chemical Industry.



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