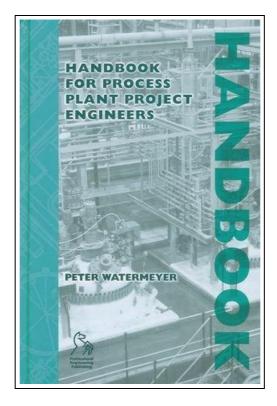
Handbook for Process Plant Project Engineers (Hardback)



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HANDBOOK FOR PROCESS PLANT PROJECT ENGINEERS (HARDBACK)



John Wiley and Sons Ltd, United Kingdom, 2002. Hardback. Condition: New. Language: English . Brand New Book. This excellent book systematically identifies the issues surrounding the effective linking of project management techniques and engineering applications. It is not a technical manual, nor is it procedure-led. Instead, it encourages creative learning of project engineering methodology that can be applied and modified in different situations. In short, it offers a distillation of practical on-the job experience to help project engineers perform more effectively. While this book specifically addresses process plants, the principles are applicable to other types of engineering project where multidisciplinary engineering skills are required, such as power plant and general factory construction. It focuses on the technical aspects, which typically influence the configuration of the plant as a whole, on the interface between the various disciplines involved, and the way in which work is done the issues central to the coordination of the overall engineering effort. It develops an awareness of relationships with other parties clients, suppliers, package contractors, and construction managers and of how the structure and management of these relationships impact directly on the performance of the project engineer. Readers will welcome the author s straightforward approach in tackling sensitive issues head on. COMPLETE CONTENTS Introduction A process plant A project and its managementA brief overviewThe engineering work and its managementThe project s industrial environmentThe commercial environmentThe contracting environmentThe economic environmentStudies and proposalsPlant layout and modellingValue engineering and plant optimizationHazards, loss, and safetySpecification, selection and purchaseFluid transportBulk solids transportSlurries and two-phase transportHydraulic design and plant drainageObservations on multidiscipline engineeringDetail design and draftingThe organization of workConstructionConstruction contractsCommissioningCommunicationChange and chaosFast-track projectsAdvanced information managementProject strategy developmentKey issues summary.



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