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Planning, Estimating, And Control Of Chemical Construction Projects, Second Edition (Cost Engineering)



Synopsis

Contains added chapters emphasizing the importance of choosing the correct project and defining project goals. Stresses the need for adequate front end loading (FEL) and outlines the responsibility of the venture manager in project selection. Provides updated case studies and examples on technical evaluation criteria, construction progress monitoring, offshore estimating, and more. The authors discuss such topics as initial involvement and plan of action, process design, regulatory compliance, risk analysis, project execution plan/master project schedule, estimating, contracting, detailed engineering, procurement, construction management, project control, contracts administration, communications, and plant start-up.

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Customer Reviews

“update[s] and extend[s] the coverage of [the] outstanding First Edition to incorporate an even wider perspective of state-of-the-art, business-driven capital project delivery processes and techniques”; Unlike many other books on this subject this is clearly an excellent, convenient, self-contained reference for hands on practitioners; with clear examples and a valuable database of frequently used metrics. A must reference for today’s lean and mean capital project practitioner.-From the Foreword by Louis J. Cabano, President PATHFINDER, LLC Cherry Hill, New Jersey This second edition “is a major revision and expansion over the highly successful first edition. New as a co-author is William C. Cole who brings additional perspectives to the book from

his experience in major chemical process industry construction … new chapters are a substantial improvement to what was already an excellent reference.-International Cost Engineering Council

I am about 50% through the book, and it has provided me with a good baseline approach to small & large projects. I have worked in process engineering, manufacturing, and process automation/control, but I have never professionally executed a chemical construction project. The book has everything you need to formalize a project execution methodology, including estimating rules-of-thumb and expected outcomes of each phase in the project. The only problem that I've seen is the author's repeated incorrect usage of the word "insure" -- in most cases, Pablo should have used "ensure". OK, so I'm picky..

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