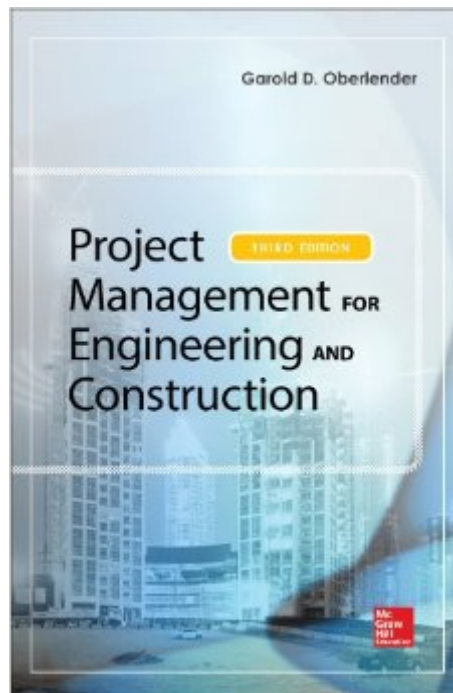


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# Project Management For Engineering And Construction, Third Edition



## Synopsis

The Latest, Most Effective Engineering and Construction project Management Strategies Fully revised throughout, this up-to-date guide presents the principles and techniques of managing engineering and construction projects from the initial conceptual phase, through design and construction, to completion. The book emphasizes project management during the beginning stages of project development to influence the quality, cost, and schedule of a project as early in the process as possible. Featuring an all-new chapter on risk management, the third edition also includes new sections on: Ensuring project quality The owner's team Parametric estimating Importance of the estimator Formats for work breakdown structures Design work packages Benefits of planning Calculations to verify schedules and cost distributions Common problems in managing design Build-operate-transfer delivery methods Based on the author's decades of experience in working with hundreds of project managers, this essential resource includes many new real-world examples and updated sample problems. Project Management for Engineering and Construction, Third Edition, covers: Working with project teams Project initiation Early estimates Project budgeting Development of work plan Design proposals Project scheduling Tracking work Design coordination Construction phase Project close out Personal management skills Risk management

## Book Information

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## Customer Reviews

There are multitudes of books on project management but they are very general and not specific to engineering or heavy construction projects. This book is directed at complex engineering projects. It

would definitely a good introduction to project management for engineering students and I recommend it for project management professionals early in their careers. The material is also suitable for sharing portions with non-project managers such as commercial and operations to better understand the challenges and role of project managers better. The book covers the full range of project management for engineering projects from initiation, early estimating, budgeting, work breakdown, scheduling, construction, risk management, and close out. It also covers soft project management skills related to project teams and personal management.

Just this past week, I was talking through the draft project execution plan with the delivery team during the kickoff meeting, one of the project partners asked how we put the job plan together so quickly - I referred him to this book!

This is a specific technical book, and is a **MUST HAVE** If you are in the engineering, construction, and project management industry. Project Management is the art and science of coordinating people, equipment, materials, money, and schedules to complete a specified project on time and within approved cost. The project manager works for the project, although he or she may be employed by the owner, designer, or contractor. The dominance of the book is on the triple constraint as an equilateral balance and a recipe for projects' success: Arranged in a way that has been adopted by global corporations as their real estate delivery process; this books covers the entire life cycle of a project: | Project Definition >> Project Scope >> Project Budgeting >> Project Planning >> Project Scheduling >> Project Tracking >> Project Close out | Prof. Oberlender covers the in's and out's of each of the processes with practical advice and invaluable lessons learned from decades of experience on construction sites. Read my full review

at <https://www.linkedin.com/pulse/pm-4-engineering-construction-samer-mahdi-msc-pmp?trk=mp-author-card>

Informative, educational, well written. Did not have information that I was specifically looking for.

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