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Construction Project Management - S. Keoki Sears - 2010-09-29

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Construction Project Management - John Frank Woodward - 1997

In this book, Professor Woodward explains the principles and theories of project management and then describes how and when the different project management techniques can be applied. Starting from first principles, he explains what to manage and how to manage. This book is an ideal textbook both for current practitioners and for new students: for everyone who only gets one chance.

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Construction Project Management - Peter Fewings - 2013-05-07

The role of the project manager continues to evolve, presenting new challenges to established practitioners and those entering the field for the first time. This second edition of Peter Fewings' groundbreaking textbook has been thoroughly revised to recognise the increasing importance of sustainability and lean construction in the construction industry. It also tackles the significance of design management, changing health and safety regulation, leadership and quality for continuous improvement of the service and the product. Using an integrated project management approach, emphasis is placed on the importance of effectively handling external factors in order to best achieve an on-schedule, on-budget result, as well as good negotiation with clients and skilled team leadership. Its holistic approach provides readers with a thorough guide in how to increase efficiency and communication at all stages while reducing costs, time and risk. Short case studies are used throughout the book to illustrate different tools and techniques. Combining the theories underpinning best practice in construction project management, with a wealth of practical examples, this book is uniquely valuable for practitioners and clients as well as undergraduate and graduate students for construction project management.

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Construction Project Management - Alison Dykstra - 2011-01-01

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Construction Project Management - Eddy M. Rojas - 2009-06-15

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Construction Project Management - Frederick E. Gould - 2011

Construction Project Management, Third Edition provides readers with the "big picture" of the construction management process, giving a perspective as to how the construction industry functions in relation to the national economy and in the public's eye. This book focuses on the collaborative effort required to complete any public or private construction project, providing the construction professional with the skills needed to work with and alongside the owner representative, the designer, and within the public's eye. It explains in detail the project elements and environment, and the responsibilities of the varied project professionals, and follows in detail the chronology of a project.

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Advanced Construction Project Management - Christian Brockmann - 2020-12-15

An essential guide to the structure, mechanics, and dynamics of construction megaprojects Advanced Construction Project Management is a comprehensive resource that covers the myriad aspects of managing a megaproject from a contractor's perspective. The author—a noted expert on the topic—provides an in-depth exploration of the structure, mechanics, and dynamics of construct megaprojects. In addition, the book gives all stakeholders in the process a clear understanding of the complexity of megaprojects and offers contractors the core concepts and essential management tools needed for achieving sterling results. While the trend to plan and implement ever-larger projects looks likely to continue into the future, the need for a guide to an understanding of the challenges of managing a megaproject couldn't be greater. Comprehensive in scope, the book explores the theoretical background, economics, complexity, phases, strategic planning, engineering, coordination, and common challenges of megaprojects. The book also provides the tools for managing stakeholder integration. This important book: Describes the structure, mechanics, and dynamics of megaprojects Explores the management activities required and examines the appropriate tools for the management of megaprojects Includes tools for stakeholder integration Provides an advanced understanding of construction management concepts Written for managers, project managers and engineers, and cost consultants, Advanced Construction Project Management offers in one complete volume the much-needed information needed to lead a successful project.

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Residential Construction Management - Joseph A. Griffin - 2010-03-15

Residential Construction Management will provide construction managers a concise and practical guide to managing residential construction projects. One of the fundamental reasons residential contractors fail to prosper is that they are poor managers. By presenting project management tools in their appropriate context of the project lifecycle—initiation, planning, execution, monitoring and controlling, and closing, readers will more clearly understand the iterative nature of construction management, which is a key to successfully managing a construction project. You can't afford to be without this indispensable working tool and its step-by-step instructions, project management templates, and real-world case studies. Residential Construction Management provides construction managers a concise and practical guide to managing residential construction projects. One of the fundamental reasons residential contractors fail to prosper is that they are poor managers. By presenting project management tools in their appropriate context of the project lifecycle — initiation, planning, execution, monitoring and controlling, and closing — you will more clearly understand the true nature of construction management, which is a key to successfully managing a construction project. You can't afford to be without this indispensable working tool and its step-by-step instructions, project management templates, and real world case studies.Key Features ! Walks you through the entire project management lifecycle resulting in a better understanding of the iterative processes of construction management ! Offers the information and real world tools needed to successfully apply to a planned or current project ! Shows how various knowledge areas and project management tools interact when doing a project providing you with the knowledge to create your own project plan ! Offers a downloadable building specification form, change order authorization form, construction schedule, sample budget, construction flowchart, a guide to working with bankers for spec home loans, and much more — available from the Web Added Value™ Download Resource Center at www.jrosspub.com

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Construction Project Management - Joe F. McCarthy - 2010

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Construction Program Management - Joseph Delaney - 2016-04-19

Although construction is one of the largest industries in the United States, it lags behind other industries in its implementation of modern management techniques such as those contained in the Standard for Program Management (the Standard) by the Project Management Institute (PMI®). Construction Program Management details the successful use of the PMI® approach for the construction of capital programs. It demonstrates, through case studies, how implementation of PMI's set of tools and techniques can improve the chances of program success. Exploring tactical and strategic management methods, the book outlines a structured, process-based approach to construction program management that leverages structure to bring order to what can otherwise feel like an overwhelming challenge. The opening chapter focuses on basic definitions of project management and program management—highlighting their similarities and differences. A summary review of the Standard describes how these management concepts can be applied to capital construction programs. Explains how to apply the principles of PMI®'s Standard for

organizing, planning, and executing a construction project so that it is completed to the satisfaction of the principal stakeholders. The book is part of the Leading program management principles included in the PMI® Body of Knowledge with those of the Construction Management Association of America (CMAA®) Through the use of case studies this book provides students, practitioners, and stakeholders with a guided tour through each phase of the program management life cycle. Using language that is easy to understand, the book shows that with the right team, the right leader, and the proper implementation of the steps outlined, all programs can obtain true success.

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Successful Construction Project Management - Paul Netscher - 2014

This book bridges the gap between the theoretical and practical and includes chapters on planning the project, starting it, scheduling, running the projects, completing it, people, materials, equipment, quality, safety, subcontractors, contractual and financial. These chapters are broken into multiple sections providing a step-by-step guide to successfully managing a construction project, and, including what-not-to-do to avoid costly mistakes.--COVER.

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Practical Project Management for Building and Construction - Hans Ottosson - 2016-04-19

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Construction Project Management Body of Knowledge - Chiu-Chi Wei - 2012-04-01

Largely relying on individual experience, most construction project managers do not have a set of comprehensive rules for management processes or even a management system. They rely at times on individual experience for such things as scheduling. But there is no set of comprehensive methods that combines the essence of project management. This type of construction project management could perhaps satisfy the needs of regional competition in the past, but cannot respond to the present demands of global competition. Now major construction projects often involve bidding invitations to international contractors. Only those with a perfect construction project management model can stand out amongst the many international competitors. A construction project may involveenormous investment, high social visibility and often public safety as well. Less than stringent construction project management can result in schedule delays, cost overruns, poor quality and even danger to the public. Construction projects invariably require collaboration between several contractors. The absence of a comprehensive construction project management framework to integrate everyone's thinking and behavioral modes can easily turn the construction process into one for resolving communication and coordination problems, rather than improving team efficiency and dynamism. The body of knowledge summarizes the construction project management steps and implementation techniques into construction project management methods. These methods will steer the thinking logic of construction project management personnel to be active and helpful and this will have a positive affect on the enforcement and execution of every step.

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Project Management in Construction - Mr Dennis Lock - 2012-09-28

The one thing that all well-run, profitable construction projects have in common is that they benefit from good project managers. People who have the skills to plan the project, manage it and keep it on track whenever tight timescales, costs, people or other difficulties threaten to derail it. The good news is that there is no secret art to project management. These are the skills that any manager can learn and use. Project Management in Construction is a practical, easy-to-read guide to defining, organizing, planning, and executing a construction project so that it is completed to the satisfaction of the principal stakeholders. The book is part of the Leading Construction Series co-published by Gower and CITB-ConstructionSkills. The Leading Construction Series is part of a CITB-ConstructionSkills initiative to develop management skills within the industry. The books in this series are designed to be essentially practical, with a firm grounding in the construction industry.

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Construction Project Manager's Pocket Book - Duncan Cartlidge - 2015-02-20

Construction project management requires a broad range of knowledge, from technical expertise to leadership, negotiation, team building and communication. This practical no-nonsense guide covers all of the essentials of the role, including: Pre-construction activities Design management and BIM Procurement Feasibility studies Environmental management systems People skills Recommended document formats Occupancy activities Construction project management activities are tackled in the order they occur on real projects, with reference made to the RIBA Plan of Work and OGC Gateway process throughout. This is the ideal concise reference which no project manager, construction manager, or quantity surveyor should be without.

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Green Construction Project Management and Cost Oversight - Sam Kubba - 2010-05-20

Green Construction is a specialized and skilled profession, and the author has extensive experience in this field. With this in mind, the reference is designed to provide practical guidelines and essential insights in preparing competent and professional looking ?Project Analysis Reports? and ?Project Status Reports?. The book also provides numerous tips on how to phrase the language of reports in a manner that is articulate and clearly understood by Real Estate Lenders and investors, as well as being an indispensable companion for both information and stimulus. Written in a conversational manner, this book will clarify the nuts and bolts of green construction, finance, and cost monitoring? as a profession, and will outline the many attributes required to being successful in this field. Moreover, it will scrutinize the mechanics of organizing monthly meetings, contractor payment certifications, budgets, change orders, construction schedules, code compliance, waivers of lean, and much more. Drawing on over 30 years of personal experience across the world - both as an employee and as an employer, the reader will learn how to plan and implement sound business strategies and form alliances in a global context. The book also offers important information and penetrating insights into the process of setting up and working as a due-diligence consultant. In a clear, practical style, it will be explained how to identify opportunities for business development and how to maximize return. It will also articulate how to meet new challenges as well as avoid many of the pitfalls along the way. For the individual professional, this guide provides useful information and tips to help secure a high paying professional position. The book will include amongst other things, up-to-date information on hundreds of useful contacts. Topics covered in this guide include: types of services offered, the consultant's role on the construction loan team, what the lender needs to know, and marketing techniques. The guide will also include a comprehensive appendix that will contain numerous sample letters (e.g. for marketing and certification), building loan agreements, AIA forms, lender/consultant agreement, closeout documents and much more. Likewise included will be an extensive list of useful references from a variety of resources, and much more. Indeed, this handbook will be the most detailed & comprehensive program on the market. It meets all the criteria of a major work and will provide vital and absorbing reading. Provides a detailed blueprint of how to conduct monthly meetings, investigations, understand typical client/consultant agreements, analyze contractor requisitions Includes sample letters, reports, forms and agreements for easy reference. Practical guidelines for preparing Property Analysis and Property Status Reports Includes a glossary of important terms, abbreviations and acronyms

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Construction Management JumpStart - Barbara J. Jackson - 2010-06-03

Launch your career in construction management with this one-of-a-kind book The construction management industry is expected to increase employment by 16 percent over the next decade. This second edition of a bestselling introduction to construction management walks you through each stage of the construction management process. Written from the constructor's perspective, this book will familiarize you with all the construction management fundamentals and how Building Information Modeling (BIM) is impacting the construction management profession. Covers interoperability of technology advances in the construction industry Explains how BIM is challenging the traditional approach to project delivery and how this affects the constructor's role Elaborates each stage of the design and construction process and the tasks associated with each of them Shows step-by-step how to estimate project costs, administer contracts, manage job site and construction operations, plan and schedule a project, monitor project performance, manage project quality and safety, and assess project risks Provides review questions at the end of each chapter to help enforce understanding The tried-and-true project management principles presented in this book will help ensure you a successful start to your career.

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The Construction Project Management Success Guide - Andreas P - 2015-04-18

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Project Management in Construction - Anthony Walker - 2002-04-22

The management of construction projects continues to be problematic as the complexity of projects themselves and the environments in which they are constructed increasingly challenge project organisations to deliver effective projects within cost and time constraints. Appropriately structured organisations are essential for the delivery of effective projects, the design of which requires an in-depth knowledge of the organisation theory applied to the definition, design and construction of projects. This book adopts an essentially systems approach to organisation analysis and design from the initial concept of the project. It enriches this approach by incorporating both other relevant organisation theory and transaction cost economics. It is concerned particularly with the integration of the contributors to the process and the way in which decisions are made. The fourth edition extends considerably the application of transaction cost economics to project management to explain how construction project organisations are formed. It incorporates the partnering phenomenon which is also explained using transaction cost economics. Organisation culture is included as a complement to other organisation theory and in addition contributes to the explanation of partnering. The book has been updated generally in terms of both organisation theory and advances in the project management field itself and the references have been considerably expanded.

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Construction Project Management - Kumar Neeraj Jha - 2011

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Project Management in Construction - Sidney Levy - 2006-08-31

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Modern Construction Project Management, Second Edition - S.L. Tang - 2003-03-01

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A comprehensive book on project management, covering all principles and methods with fully worked examples, this book includes both hard and soft skills for the engineering, manufacturing and construction industries. Ideal for engineering project managers considering obtaining a Project Management Professional (PMP) qualification, this book covers in theory and practice, the complete body of knowledge for both the Project Management Institute (PMI) and the Association of Project Management (APM). Fully aligned with the latest 2005 updates to the exam syllabi, complete with online sample Q&A, and updated to include the latest revision of BS 6079 (British Standards Institute Guide to Project Management in the Construction Industry), this book is a complete and valuable reference for anyone serious about project management. The complete body of knowledge for project management professionals in the engineering, manufacturing and construction sectors Covers all hard and soft topics in both theory and practice for the newly revised PMP and APMP qualification exams, along with the latest revision of BS 6079 standard on project management in the construction industry Written by a qualified PMP exam accreditor and accompanied by online Q&A resources for self-testing

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THE CONSTRUCTION PROJECT MANAGEMENT SUCCESS GUIDE 2ND EDITION: Everything You Need To Know About Construction Contracts, Estimating, Planning And Scheduling, Skills To Manage Trades And Home Renovations You're about to discover how to the re-emergence of the real estate market sparked renewed optimism in construction. Across different states in the country, residential construction jobs are being undertaken in order to satisfy the demands in housing. Since residential construction projects are still a business (except when you want to build your own home), the idea is to build enough living spaces and to offer them to prospective clients or leasers at an affordable price. Of course the success of such a goal still lies on income and the general economic outlook, but one thing is for certain: now that the housing crisis is over, more people will look forward getting a place to call their home.

The Construction Project Management Success Guide - Andreas P - 2015-04-18

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Project Management &Leadership Skills for Engineering & Construction Projects - Barry Benator - 2020-11-26

Project management is the key to any engineering and construction project's success. Now you can learn from the experts real-world tested strategies you can use to lead your projects to on-time, within budget, high quality success stories. Specifics of scheduling, cost estimating and leadership skills are fully detailed. The authors will show you how to organize your project from the very beginning to achieve success. You'll also learn to use win-win negotiation skills during each stage of your project. Real world examples will facilitate your understanding of how to apply every aspect of the material presented in the text. Loaded with forms, checklists and case studies, this invaluable reference is a must for everyone involved with engineering and construction projects.

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Code of Practice for Project Management for Construction and Development - CIOB (The Chartered Institute of Building) - 2014-07-23

The first edition of the Code of Practice for Project Management for Construction and Development, published in 1992, was groundbreaking in many ways. Now in its fifth edition, prepared by a multi-institute task force coordinated by the CIOB and including representatives from RICS, RIBA, ICE, APM and CIC, it continues to be the authoritative guide and reference to the principles and practice of project management in construction and development. Good project management in construction relies on balancing the key constraints of time, quality and cost in the context of building functionality and the requirements for sustainability within the built environment. Thoroughly updated and restructured to reflect the challenges that the industry faces today, this edition continues to drive forward the practice of construction project management. The principles of strategic planning, detailed programming and monitoring, resource allocation and effective risk management, widely used on projects of all sizes and complexity, are all fully covered. The integration of Building Information Modelling at each stage of the project life is a feature of this edition. In addition, the impact of trends and developments such as the internationalisation of construction projects and the drive for sustainability are discussed in context. Code of Practice will be of particular value to clients, project management professionals and students of construction, as well as to the wider construction and development industries. Much of the information will also be relevant to project management professionals operating in other commercial spheres.

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Large-Scale Construction Project Management - Yan Tan - 2020-04-02

A majority of large-scale construction and major infrastructure projects are funded by public funds from taxpayers. However, these projects are often subject to severe delays and cost overruns. Large-Scale Construction Project Management: Understanding Legal and Contract Requirements introduces integrated approaches to project management and control mechanisms to effectively manage large-scale construction projects. It explains the contractual requirements and associated legal principles under the latest edition of the leading standard forms of contracts, including FIDIC 2017, NEC4, and JCT 2016. It explains integrated project governance regarding time, cost, risk, change, contract management, and more. Further, it discusses the legal issues of scheduling delays and disruptions regarding the Delay and Disruption Protocol (Society of Construction Law) as well as Forensic Schedule Analysis guidance (American Association of Cost Engineering). Features: Provides strategies to effectively resolve disputes during construction projects Examines Quantitative Schedule Risk Analysis (QSRA) and Quantitative Cost Risk Analysis (QCRA) Introduces the most recent software and techniques used in managing large-scale construction projects This book serves as a useful resource for project control and management professionals, researchers in construction management and project management, and students in building construction management and project management.

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Construction Project Management - John Frank Woodward - 1997

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Total Construction Management - John S. Oakland - 2017-02-17

Integrating Work Health and Safety into Construction Project Management - Helen Lingard - 2019-07-29

Provides insights into how health and safety can be more effectively integrated into the procurement, design, and management of construction projects This book aims to explore the ways in which technological, organizational, and cultural strategies can be combined and integrated into construction project management to produce sustained and significant health and safety (H&S) improvements. It looks at design and safety practices, work organization, workforce engagement and learning, and offers ideas for producing systemic change. Integrating Work Health and Safety into Construction Project Management addresses how best to achieve safety in design through the adoption of a stakeholder management approach. It instructs on how to drive H&S improvements through supply chain integration and responsible procurement and project management practices. It examines the components of a culture for health and safety and the development of a cultural maturity model. The book discusses the potential to improve H&S through the provision of conditions of work that afford workers a positive work-life balance. It also covers how advanced technologies and the application of techniques developed from health informatics can support real time analysis and improvement of H&S in construction. Lastly, it looks at the benefits associated with engaging workers and using their tacit H&S knowledge to inform work process improvements. This text also: Provides new and non-traditional ways of thinking about H&S Focuses on technological, organizational, and cultural integration Offers a multi-disciplinary perspective provided by an internationally recognized research team from the social sciences, engineering, construction/project management, and psychology Presents, in detail, the collective analysis from a broad-ranging ten year program of collaborative research Contains a rich range of industry case studies Integrating Work Health and Safety into Construction Project Management is an excellent resource for academics and researchers engaged in research in construction H&S, as well as for postgraduates taking construction project management and H&S courses. It will also be beneficial to consultants, policy advisors, construction project managers and H&S professionals.

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Construction Project Management - K K Chitkara -

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A Guide to the Project Management Body of Knowledge (PMBOK(R) Guide-Sixth Edition / Agile Practice Guide Bundle (HINDI) - Project Management Institute - 2019-08-05

To support the broadening spectrum of project delivery approaches, PMI is offering A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition as a bundle with its latest, the Agile Practice Guide. The PMBOK® Guide – Sixth Edition now contains detailed information about agile; while the Agile Practice Guide, created in partnership with Agile Alliance®, serves as a bridge to connect waterfall and agile. Together they are a powerful tool for project managers. The PMBOK® Guide – Sixth Edition – PMI’s flagship publication has been updated to reflect the latest good practices in project management. New to the Sixth Edition, each knowledge area will contain a section entitled Approaches for Agile, Iterative and Adaptive Environments, describing how these practices integrate in project settings. It will also contain more emphasis on strategic and business knowledge—including discussion of project management business documents—and information on the PMI Talent Triangle™ and the essential skills for success in today’s market. Agile Practice Guide has been developed as a resource to understand, evaluate, and use agile and hybrid agile approaches. This practice guide provides guidance on when, where, and how to apply agile approaches and provides practical tools for practitioners and organizations wanting to increase agility. This practice guide is aligned with other PMI standards, including A Guide to the Project Management Body of Knowledge (PMBOK® Guide) – Sixth Edition, and was developed as the result of collaboration between the Project Management Institute and the Agile Alliance.

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Project Scheduling and Management for Construction - David R. Pierce, Jr. - 2013-09-30

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Urban Construction Project Management (McGraw-Hill Construction Series) - Richard Lambeck - 2008-12-15

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Project Management for Building Construction - Hans Sommer - 2009-12-16

Preface Construction has turned into an ever more complex At major structural engineering projects, project mesh of relationships between increasingly accelerating participants from the most different areas of interests processes, decisions and actions. At the same time, and knowledge gather in one place: Architects, project however, there is a development toward sustainable managers and specialized planners, representatives design that leads to buildings providing the best possible of the client, of the relevant authorities and also from connection of functionality and architecture, energy the building and construction industry. Communication ef? ciency and healthy construction materials that can dif? culties cannot be ruled out in such a heteroge- be recycled while at the same time also achieving the ous circle. It is, hence, one of ? rst aims of this book, best possible economical bene? ts. to outline both the participants and the process of structural engineering projects - for planning and con- Following its modest beginnings, the Drees & Sommer struction - by using striking examples to describe them corporation has grown in this area and for over 35 years clearly. Furthermore, the essential management tasks now has been signi? cantly contributing to the develop- and possible management variants are explained. ment of modern project management while always putting an emphasis on innovation when it came to With this book, I would like to thank all employees management method.

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Project Management for Engineering and Construction, Third Edition - () (Gary) D. D. Oberlender - 2014-07-13

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