

1. Record Nr.	UNINA9910787463303321
Titolo	Construction project management : b a practical guide to field construction management // S. Keoki Sears, [and others]
Pubbl/distr/stampa	Hoboken, New Jersey : , : John Wiley & Sons, , 2015 2015
ISBN	1-118-74526-4 1-5231-1131-3 1-118-74525-6
Edizione	[Sixth edition.]
Descrizione fisica	1 online resource (352 p.)
Collana	New York Academy of Sciences
Classificazione	TEC005000
Disciplina	690.068/4
Soggetti	Construction industry - Management Project management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes index
Nota di contenuto	1.21 Turnkey and BOT Contracts1.22 Integrated Project Delivery; 1.23 Speculative Construction; 1.24 Management during the Design Phase; 1.25 Management of Field Construction; 1.26 Project Manager; 1.27 Project Manager Qualifications; Key Points and Questions; 2 Systematic Project Management; 2.1 Introduction; 2.2 Need for Project Management; 2.3 Project Management Characteristics; 2.4 Discussion Viewpoint; 2.5 Management Procedures; 2.6 Time and Cost Management; 2.7 Planning and Scheduling; 2.8 CPM Procedure; 2.9 Time Monitoring and Control; 2.10 Project Cost System 2.11 Estimating the Project2.12 Project Cost Accounting; 2.13 Resource Management; 2.14 Project Financial Control; 2.15 Automating Project Management Tasks; 2.16 Manual Methods; 2.17 Discussion Format; 2.18 Example Projects; Key Points and Questions; 3 Project Estimating; 3.1 Introduction; 3.2 Project Cost System; 3.3 Preliminary Cost Estimates; 3.4 Final Cost Estimate; 3.5 Example Projects; 3.6 Quantity Survey; 3.7 Management Input; 3.8 Field Supervision; 3.9 Construction Methods; 3.10 General Time Schedule; 3.11 Construction Equipment; 3.12 Summary Sheets; 3.13 Material Costs 4.10 Precedence Diagram4.11 Network Format; 4.12 Lag Relationships;

4.13 Precedence Diagram for the Example Projects; 4.14 Value of Precedence Network; 4.15 Repetitive Operations; 4.16 Network Interfaces; 4.17 Master Network; 4.18 Subnetworks; 4.19 Computer Applications for Planning; Key Points and Questions; 5 Project Scheduling Concepts; 5.1 Introduction; 5.2 Scheduling Procedure; 5.3 Activity Times; 5.4 Rules for Estimating Activity Durations; 5.5 Estimating Activity Durations; 5.6 Time Contingency; 5.7 Project Weather Delays; 5.8 Network Time Computations; 5.9 Early Activity Times
5.10 Project Duration

Sommario/riassunto

"A thoroughly updated edition of the classic guide to project management of construction projects For more than thirty years, Construction Project Management has been considered the preeminent guide to all aspects of the construction project management process, including the Critical Path Method (CPM) of project scheduling, and much more. Now in its Sixth Edition, it continues to provide a solid foundation of the principles and fundamentals of project management, with a particular emphasis on project planning, demonstrated through an example project, along with new pedagogical elements such as end-of-chapter problems and questions and a full suite of instructor's resources. Also new to this edition is information on the Earned Value Analysis (EVA) system and introductory coverage of Building Information Modeling (BIM) and Lean Construction in the context of project scheduling. Readers will also benefit from building construction examples, which illustrate each of the principles of project management. This information, combined with the case studies provided in the appendix, gives readers access to hands-on project management experience in the context of real-world project management problems. Features two integrated example projects--one civil and one commercial--fully developed through the text Includes end-of-chapter questions and problems Details BIM in scheduling procedures, Lean Construction, and Earned Value Analysis, EVA Provides teaching resources, including PowerPoint slides, interactive diagrams, and an Instructor's Manual with solutions for the end-of-chapter questions Construction Management and Civil Engineering students and professionals alike will find everything they need, to understand and to master construction project management in this classic guide"--

"Guide to all aspects of the construction project management process, including the Critical Path Method (CPM) of project scheduling"--
