

1. Record Nr.	UNINA9910136252103321
Autore	EI-Reedy Mohamed A (Mohamed Abdallah)
Titolo	Project management in the oil and gas industry / / Mohamed A. EI-Reedy
Pubbl/distr/stampa	Hoboken, New Jersey : , : Scrivener Publishing : , : Wiley, , 2016 ©2016
ISBN	1-119-08410-5 1-5231-1038-4 1-119-08412-1 1-119-08411-3
Descrizione fisica	1 online resource (339 p.)
Disciplina	665.5068/4
Soggetti	Petroleum industry and trade - Management Project management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Cover; Title Page; Copyright Page; Dedication; Contents; Preface; About the Author; 1 How to Manage Oil and Gas Projects; 1.1 The Principal of Project Management; 1.2 Project Characteristics; 1.3 Project Life Cycle; 1.3.1 Initiation of the Project; 1.3.1.1 Getting to the Scope Baseline; 1.3.2 Feasibility Study; 1.3.3 FEED (Preliminary) Engineering; 1.3.4 Detail Engineering; 1.3.5 Decision Support Package; 1.3.6 Design Management; 1.3.7 Execution Phase; 1.3.8 Commissioning and Startup; 1.4 Is this Project Successful?; 1.4.1 Project Management Goals; 1.4.1.1 Project Integration Management 1.4.1.2 Project Scope Management 1.4.1.3 Project Time Management; 1.4.1.4 Project Cost Management; 1.4.1.5 Project Quality Management; 1.4.1.6 Project Human Resource Management; 1.4.1.7 Project Communications Management; 1.4.1.8 Project Risk Management; 1.4.1.9 Project Procurement Management; 1.5 Project Management Tasks; 1.5.1 Define the Project Target; 1.5.2 Define the Scope of Work; 1.5.3 Define the Time Frame; 1.5.4 Define the Available Resources; 1.5.5 Define the Cost; 1.5.6 Evaluate the Master Plan; 1.5.7 Accept the Master Plan; 1.5.8 Schedule Follow Up; 1.5.9 Cost Follow Up

1.5.10 Comparing Between Actual Work and Master Plan Cost
1.5.11 Performance Evaluation; 1.6 Project Manager Skill; Quiz; 2 Project Economic Analysis; 2.1 Introduction; 2.2 Project Cash Flow; 2.2.1 Depreciation Methods; 2.2.1.1 Straight-Line Method; 2.2.1.2 Declining-Balance Method; 2.2.1.3 Sum-of-the-Year-Digits; 2.2.1.4 Sinking-Fund Method; 2.2.1.5 Service-Out Method; 2.2.2 Method of Net Present Value (NPV); 2.2.2.1 Inflation Rate; 2.2.3 Minimum Internal Rate of Return (MIRR); 2.2.4 Payout Method; 2.3 Economic Risk Assessment; 2.3.1 Probability Theory
2.3.2 Probability Distribution of Variables
2.3.2.1 Normal Distribution;
2.3.2.2 Log Normal Distribution; 2.3.2.3 Binominal Distribution; 2.3.2.4 Poisson Distribution; 2.3.2.5 Exponential Distribution; 2.3.2.6 Weibull Distribution (Rayleigh Distribution); 2.3.2.7 Gamma Distribution;
2.3.2.8 Logistic Distribution; 2.3.2.9 Extreme Value (Gumbel Distribution); 2.3.2.10 Pareto Distribution; 2.3.3 Distribution for Uncertainty Parameters; 2.3.3.1 Triangular Distribution; 2.3.3.2 Uniform Distribution; 2.3.4 Choose the Appropriate Probability Distribution; 2.3.4.1 Chi Square Method
2.3.4.2 Kolmogorov-Smirnov (K-S)
2.4 Decision Tree; 2.5 Monte-Carlo Simulation Technique; 2.6 Risk Adjusted Value (RAV); 3 Pitfalls in Time Schedule Planning; 3.1 Introduction; 3.1.1 Plan Single Point of Accountability (SPA); 3.1.2 Starting the Plan; 3.1.3 Work Breakdown Structure (WBS); 3.2 Responsibilities of the Team; 3.3 Expected Activity Time Period; 3.4 Calculate the Activity Time Period; 3.5 Time Schedule Preparation; 3.5.1 Gantt Chart; 3.5.2 Arrow Diagram Method (ADM); 3.5.3 Precedence Diagram Method (PDM); 3.5.4 Critical Path Method (CPM)
3.5.5 Program Evaluation and Review Technique (PERT)
