Project Management For Mining

Practical Project Management for Building and Construction
Project Management for Mining
Surface Mining, Second Edition
Risk Management in Evaluating Mineral Deposits
Gower Handbook of People in Project Management
The Project Management Book
Fundamentals of Project Management
The Mining Valuation Handbook 4e
Data Analytics in Project Management
The Business of Mining
Construction Project Management
SME Mining Reference Handbook, 2nd Edition
Mineral Property Evaluation
Data Mining: Concepts and Techniques
Mining Capital
The Future of Mining in South Africa: Sunset or Sunrise?
The Essentials of Project Management
The Business of Mining
Construction Project Manager’s Pocket Book
Tailings Management Handbook
Handbook of Construction Management
Project Management for Mining, 2nd Edition
Project Management in the Oil and Gas Industry
Project Management Techniques and Innovations in Information Technology
Sustainable Management of Mining Operations
Advanced Methodologies and Technologies in Network Architecture, Mobile Computing, and Data Analytics
The Engineer's Cost Handbook
Project Management Leadership
Project Management for Mining
Modern Management in the Global Mining Industry
Project Management
Project Management Analytics
Civil Engineering Project Management, Fourth Edition
Advanced Project Management
Management of Coking Coal Resources
Underground Engineering
Mining goes Digital
Gower Handbook of Programme Management
Data Preparation for Data Mining
Handbook of Statistical Analysis and Data Mining Applications

MOONEY RUSH

Practical Project Management for Building and Construction
Society for Mining, Metallurgy & Exploration
This book brings together perspectives from economics, specifically minerals economics, to the management of global mining companies. It covers volatile price forecasting, cost analysis, investment decisions, and the social, environmental, and developmental impacts of mining.
Project Management for Mining SME
Practical Project Management for Building and Construction covers the 14 knowledge areas of project management that are essential for successful projects in the construction industry. For each knowledge area, it explains the processes for scope, time, risk, cost, and resource management. Filled with work and process flow diagrams, it demonstrates h
Surface Mining, Second Edition Taylor & Francis Group/CRC Press
This book focuses on the importance of clean, well-structured data as the first step to successful data mining. It shows how data should be prepared prior to mining in order to maximize mining performance.
Risk Management in Evaluating Mineral Deposits John Wiley & Sons
Mining is a capital-intensive industry, and involves long lead times to develop projects that demand a structured approach, from mine exploration to exit. This book provides mine developers, investors, owners, shareholders, and mineral policymakers a comprehensive game plan to raise capital for the development of new mining projects or to bolster operational mines. The author, an experienced mining capital consultant, shows how mine developers and mine owners can secure capital in any phase of the commodity price cycle, at any site, and at any project stage. The book follows a proven and structured approach that enables mine developers and owners to successfully raise capital for their projects. With the aid of case studies and practical methods, the reader will learn the essentials on topics ranging from developing and marketing a business case for investment, to the types and sources of mining capital for different project stages, as well as the structure and significance of due diligence. The author presents actual mining projects and

their funding plans, transaction structures and term sheets for capital. The mining projects discussed represent various project stages, commodities, and parts of the globe, offering a comprehensive reference guide for mine developers, investors and promoters alike.

Gower Handbook of People in Project Management CRC Press

Oil and gas projects have special characteristics that need a different technique in project management. The development of any country depends on the development of the energy reserve through investing in oil and gas projects through onshore and offshore exploration, drilling, and increasing facility capacities. Therefore, these projects need a sort of management match with their characteristics, and project management is the main tool to achieving a successful project. Written by a veteran project manager who has specialized in oil and gas projects for years, this book focuses on using practical tools and methods that are widely and successfully used in project management for oil and gas projects. Most engineers study all subjects, but focus on project management in housing projects, administration projects, and commercial buildings or other similar projects. However, oil and gas projects have their own requirements and characteristics in management from the owners, engineering offices, and contractors' side. Not only useful to graduating engineers, new hires, and students, this volume is also an invaluable addition to any veteran project manager's library as a reference or a helpful go-to guide. Also meant to be a refresher for practicing engineers, it covers all of the project management subjects from an industrial point of view specifically for petroleum projects, making it the perfect desktop manual. Not just for project managers and students, this book is helpful to any engineering discipline or staff in sharing or applying the work of a petroleum project and is a must-have for anyone working in this industry.

The Project Management Book SME

The go-to resource for professionals in the mining industry. The SME Mining Reference Handbook was the first concise reference published in the mining field and it quickly became the industry standard. It sits on almost every mining engineer's desk or bookshelf with worn pages, tabs to find most used equations, and personal notes. It has been the unequaled single reference and the first source of information for countless engineers. This second edition of the SME Mining Reference Handbook builds on that success. With an enhanced presentation, new and updated information is represented in a concise, well-organized guide of important data for everyday use by engineers and other professionals engaged in mining, exploration, mineral processing, and environmental compliance and reclamation. With its exhaustive trove of charts, graphs, tables, equations, and guidelines, the handbook is the essential technical reference for mobile mining professionals. With its exhaustive trove of charts, graphs, tables, equations, and guidelines, the handbook is the essential technical reference for mobile mining professionals.

Fundamentals of Project Management Springer Nature

To manage projects, you must not only control schedules and costs: you must also manage growing operational uncertainty. Today's powerful analytics tools and methods can help you do all of this far more successfully. In Project Management Analytics , Harjit Singh shows how to bring greater evidence-based clarity and rationality to all your key decisions throughout the full project lifecycle. Singh identifies the components and characteristics of a good project decision and shows how to improve decisions by using predictive, prescriptive, statistical, and other methods. You'll learn how to mitigate risks by identifying meaningful historical patterns and trends; optimize allocation and use of scarce resources within project constraints; automate data-driven decision-making processes based on huge data sets; and effectively handle multiple interrelated decision criteria. Singh also helps you integrate analytics into the project management methods you already use, combining today's best analytical techniques with proven approaches such as PMI PMBOK® and Lean Six Sigma. Project managers can no longer rely on vague impressions or seat-of-the-pants intuition. Fortunately, you don't have to. With Project Management Analytics , you can use facts, evidence, and knowledge—and get far better results. Achieve efficient, reliable, consistent, and fact-based project decision-making Systematically bring data and objective analysis to key project decisions Avoid "garbage in, garbage out" Properly collect, store, analyze, and interpret your project-related data Optimize multi-criteria decisions in large group environments Use the Analytic Hierarchy Process (AHP) to improve complex real-world decisions Streamline projects the way you streamline other business processes Leverage data-driven Lean Six Sigma to manage projects more effectively

The Mining Valuation Handbook 4e Society for Mining Metallurgy & Exploration

The Business of Mining complete set of three Focus books will provide readers with a holistic all-embracing appraisal of the analytical tools available for assessing the economic viability of prospective mines. Each volume has a discrete focus. This first volume presents an overview of the mining business, followed by an analysis of project variables and risk, an overall coverage of the royalty agreements, pricing and contract systems followed by a final chapter on accounting standards and practises for the minerals industry. The books were written primarily for undergraduate applied geologists, mining engineers and extractive metallurgists and those pursuing course-based postgraduate programs in mineral economics. However, the complete series will also be an extremely useful reference text for practicing mining professionals as well as for consultant geologists, mining engineers or primary metallurgists.

Data Analytics in Project Management Society for Mining, Metallurgy & Exploration

Data Analytics in Project Management. Data analytics plays a crucial role in business analytics. Without a rigid approach to analyzing data, there is no way to glean insights from it. Business analytics ensures the expected value of change while that change is implemented by projects in the business environment. Due to the significant increase in the number of projects and the amount of data associated with them, it is crucial to understand the areas in which data analytics can be applied in project management. This book addresses data analytics in relation to key areas, approaches, and methods in project management. It examines: • Risk management • The role of the project management office (PMO) • Planning and resource management • Project portfolio management • Earned value method (EVM) • Big Data • Software support • Data mining • Decision-making • Agile project management Data analytics in project management is of increasing importance and extremely challenging. There is rapid multiplication of data volumes, and, at the same time, the structure of the data is more complex. Digging through exabytes and zettabytes of data is a technological challenge in and of itself. How project management creates value through data analytics is crucial. Data Analytics in Project Management addresses the most common issues of applying data analytics in project management. The book supports theory with numerous examples and case studies and is a resource for academics and practitioners alike. It is a thought-provoking examination of data analytics applications that is valuable for projects today and those in the future.

The Business of Mining Elsevier

The Business of Mining complete set of three Focus books will provide readers with a holistic all-embracing appraisal of the analytical tools available for assessing the economic viability of prospective mines. Each volume has a discrete focus. This second volume discusses, in some depth, alternative means of assessing the economic viability of mining projects based on the best estimate of the recoverable mineral and/or fossil fuel reserves. The books were written primarily for undergraduate applied geologists, mining engineers and extractive metallurgists and those pursuing course-based postgraduate programs in mineral economics. However, the complete series will also be an extremely useful reference text for practicing mining professionals as well as for consultant geologists, mining engineers or primary metallurgists.

Construction Project Management Morgan Kaufmann

Today's mining professionals face unparalleled challenges brought about by globalization and increased environmental awareness. The pressure is on to enhance corporate reputations, achieve higher operational efficiency, improve planning and control, gain access to mineral resources, build trust with stakeholders, attract financing, recruit and retain a quality workforce, and lower costs. Sustainable Management of Mining Operations provides a holistic, practical approach to achieving these goals. The key, say the authors, is to create a culture within the organization that recognizes the value of sustainability by effectively integrating economic, environmental, and social considerations. They explore the three management functions that are instrumental in shaping this culture: corporate strategy, human resources, and operations. Each section of this book focuses on sustainable management from a different perspective, management level, or stage of the mine life cycle. You'll benefit from real-life, practical insights from 27 internationally respected authors whose job titles have encompassed everything from CEO to master mechanic. Focusing on real-life experience and not abstract theory, you'll learn first hand from case histories written by those who "got their hands dirty." You'll see how leading-edge companies are leveraging culture, strong leadership, and organizational structure to capitalize on sustainability. Sustainable Management of Mining Operations is required reading for mining professionals with operations, human resources, external affairs, or environmental health and safety responsibilities. The book is also a powerful, forward-looking resource for faculty and students in mining studies programs.

SME Mining Reference Handbook, 2nd Edition MISTRA

The Project Management Book addresses the real-life scenarios and issues that anyone responsible for managing a project is likely to face on a day to day basis. It provides solutions to the everyday issues involved in managing projects, including: Defining your project Understanding your role as a project manager Dealing with external problems Learning from Lean and Six Sigma Delivering projects in times of change It also includes a handy glossay of project management jargon

Mineral Property Evaluation John Wiley & Sons

Before You Put the First Shovel in the Ground—This Book Could Be the Difference Between a Successful Mining Operation and a Money Pit Opening a successful new mine is a vastly complex undertaking, entailing several years and millions to billions of dollars. In today’s world, when environmental and labor policies, regulatory compliance, and the impact of the community must be factored in, you cannot afford to make a mistake. The Society for Mining, Metallurgy & Exploration has created this road map for you. Written by two hands-on, in-the-trenches mining project managers with decades of experience bringing some of the world’s most successful, profitable mines into operation on time, within budget, and ethically, Project Management for Mining gives you step-by-step instructions in every process you are likely to encounter. It is in use as course material in universities in Australia, Canada, Colombia, Ghana, Iran, Kazakhstan, Peru, Russia, Saudi Arabia, South Africa, the United Kingdom, as well as the United States. In addition, more than 100 different mining companies have sent employees to attend seminars conducted by authors Robin Hickson and Terry Owen, sessions all based around the material within this book. In the years following the first edition, the authors gratefully received a bevy of excellent suggestions from some 2,000 readers in over 50 countries. This helpful reader feedback, coupled with written evaluations from the more than 400 seminar attendees, has been an unparalleled source of improvement for this new book. This second edition is a significant accomplishment that includes 5 new chapters, substantial updates to the original 34 chapters, and 56 new or updated figures, flowcharts, and checklists that every project manager can use.

Data Mining: Concepts and Techniques CRC Press

An essential, in-depth guide to mining investment analysis Written by a mining investment expert, The Mining Valuation Handbook: Mining and Energy Valuation for Investors and Management is a useful resource. It's designed to be utilized by executives, investors, and financial and mining analysts. The book guides those who need to assess the value and investment potential of mining opportunities. The fourth edition text has been fully updated in its coverage of a broad scope of topics, such as feasibility studies, commodity values, indicative capital and operating costs, valuation and pricing techniques, and exploration and expansion effects.

Mining Capital Society for Mining, Metallurgy & Exploration

Before You Ever Put the First Shovel in the Ground—This Book Could Be the Difference Between a Successful Mining Operation and a Money Pit Opening a successful new mine is a vastly complex undertaking entailing several years and millions to billions of dollars. In today’s world, when environmental and labor policies, regulatory compliance, and impact on the community must be factored in, you cannot afford to make a mistake. So the Society for Mining, Metallurgy & Exploration has created this road map for you. Written by two hands-on, in-the-trenches mining project managers with decades of experience who bring some of the world’s most successful, profitable mines into operation on time, within budget, and ethically, Project Management for Mining gives you step-by-step instructions in every process you are likely to encounter. Beginning with a discussion of mining ethics and governance, this clearly written handbook walks you through all the project management steps—defining the scope, performing prefeasibility and feasibility studies, gaining societal acceptance, minimizing the impact and risks, creating workable schedules and budgets, setting in place the project execution plan, assembling the human resources, hiring the contractors, and establishing project controls—and then on into the delivery of the engineering and design, construction, progress reviews, pre-launch commissioning, and ramping up for operation. Each chapter includes several useful aids such as figures, checklists, and flowcharts to guide you through every step, from conception through successful opening.

The Future of Mining in South Africa: Sunset or Sunrise? FT Press

Before You Ever Put the First Shovel in the Ground-This Book Could Be the Difference Between a Successful Mining Operation and a Money Pit Opening a successful new mine is a vastly complex undertaking entailing several years and millions to billions of dollars. In today's world, when environmental and labor policies, regulatory compliance, and impact on the community must be factored in, you cannot afford to make a mistake. So the Society for Mining, Metallurgy & Exploration has created this road

map for you. Written by two hands-on, in-the-trenches mining project managers with decades of exp.

The Essentials of Project Management Routledge

From cloud computing to data analytics, society stores vast supplies of information through wireless networks and mobile computing. As organizations are becoming increasingly more wireless, ensuring the security and seamless function of electronic gadgets while creating a strong network is imperative. Advanced Methodologies and Technologies in Network Architecture, Mobile Computing, and Data Analytics highlights the challenges associated with creating a strong network architecture in a perpetually online society. Readers will learn various methods in building a seamless mobile computing option and the most effective means of analyzing big data. This book is an important resource for information technology professionals, software developers, data analysts, graduate-level students, researchers, computer engineers, and IT specialists seeking modern information on emerging methods in data mining, information technology, and wireless networks.

The Business of Mining Emerald Group Publishing

Modern projects are all about one group of people delivering benefits to others, so it's no surprise that the human element is fundamental to project management. The Gower Handbook of People in Project Management is a complete guide to the human dimensions involved in projects. The book is a unique and rich compilation of over 60 chapters about project management roles and the people who sponsor, manage, deliver, work in or are otherwise important to project success. It looks at the people-issues that are specific to different sectors of organization (public, private and third sector); the organization of people in projects, both real and virtual; the relationship between people, their roles and the project environment; and the human behaviours and skills associated with working collaboratively. Thus this comprehensive and innovative handbook discusses all the important topics associated with employing, developing and managing people for successful projects. The contributors have been drawn from around the world and include experts ranging from practising managers to academics and advanced researchers. The Handbook is divided into six parts, which begin with management and project organization and progress through to more advanced and emerging practices. It benefits hugely from Lindsay Scott’s expert knowledge and experience in this field and from Dennis Lock’s contributions and meticulous editing to ensure that the text and illustrations are always lucid and informative.

Construction Project Manager’s Pocket Book CRC Press

Management of Coking Coal Resources provides a one-stop reference that focuses on sustainable mining practices using a four-point approach that includes the economical, governmental, societal, and environmental aspects of coal exploration, coking coal mining, and steelmaking applications. This type of approach galvanizes the excavation, processing methods, and end uses of coal as an energy and steelmaking source, thus ensuring that the supply of coking coal meets the future demands of the rapidly expanding economies in India and other developing countries. The book provides information on the strategic planning and revitalization of India's Jharia coalfield, addressing actionable plans for methods of extraction, master plans for mine fires, subsidence management, land use planning, and sustainable mining. Users will find a multidisciplinary reference that presents the broad range of applications, techniques, and methodologies used in maintaining coking coal quality from exploration through extraction. Provides a one-stop reference that focuses on sustainable mining practices using a four-point approach Includes the economical, governmental, societal, and environmental aspects of coal exploration, coking coal mining, and steelmaking applications Presents information on the strategic planning and revitalization of India's Jharia coalfield Includes a broad range of the applications, techniques, and methodologies used in maintaining coking coal quality from exploration through extraction

Tailings Management Handbook Routledge

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.