

Successful Partnering Fundamentals For Project Owners And Contractors 1st Edition

[#successful project partnering](#) [#project owners contractors](#) [#construction collaboration best practices](#) [#contractor owner relationships](#) [#project management fundamentals](#)

Dive into the essential fundamentals of successful partnering designed specifically for project owners and contractors. This 1st Edition guides you through proven strategies to foster robust contractor-owner relationships, enhance construction project collaboration, and navigate challenges effectively, ensuring project success from initiation to completion.

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Successful Partnering

How to reap the enormous benefits of this dynamic new practice **SUCCESSFUL PARTNERING Fundamentals for Project Owners and Contractors** In the tightly budgeted and competitive business environment of the 1990s, firms involved in construction projects can no longer (if they ever could) afford the suspicions, squabbles, and even litigation that have afflicted far too many projects. This enlightening book shows project owners, construction professionals, and others how to implement the recently developed practice of partnering as a more efficient, cost-effective, and far less stressful way of planning, organizing, and completing construction projects. Adopted by such organizations as the Army Corps of Engineers, its growing number of converts have reported fewer delays and lawsuits and other benefits, including a more cooperative and focused work atmosphere. With this new book--the only one of its kind currently available--practicing professionals will gain a solid understanding of the fundamentals of partnering and how to apply them to their construction projects. **Successful Partnering** It is a sad fact that as many as 70% of all construction projects will result in some kind of litigious action and this, in turn, will result in enormous losses of money, time, and energy for all parties involved. In the hope of avoiding this debilitating drain on resources, many construction-related firms have adopted the recently developed practice of partnering. In partnering, all participants work together and accept joint responsibility for the completion of a project. **Successful Partnering** shows you how to initiate and build partnering relationships in your projects, and how, with a united management agenda, a construction team can focus on problem solving instead of fault finding. Written by two recognized authorities on partnering, this unique guide takes you through the process of partnering, giving you invaluable insights from the perspectives of principal participants. By examining the case studies and numerous examples that illuminate the text, you will learn from the inside what works and what doesn't, and how to maximize your chances of establishing a successful partnering relationship. Specifically, this book provides insights on such important issues as: * Why partnering is becoming a rapidly growing practice in the construction

industry and what the benefits are for owners, construction contractors, architects, engineers, and others * How to lay the foundation for partnering: testing for good contracts, good teaming, and good partnering * The fundamental principles and mechanics of partnering, including the roles of the facilitator and the trainer * Legal aspects of partnering * The personal and group dynamics of partnering and how they affect creative problem solving and efficiency Successful Partnering is an indispensable guide to a practice that is revolutionizing the way construction projects are being organized and completed. Written for all those involved in the complex work of construction--engineering, design, and construction managers; as well as lawyers, accountants, and suppliers, Successful Partnering is a lucid introduction to an important new development in construction management.

Construction Management

The construction industry faces continual challenges and demands, due to market conditions and coercion by governments, for improvements in safety, quality and cost control, and in the avoidance of contractual disputes. To meet these challenges construction enterprises need to constantly seek new directions and business models in construction management. A number of tools, methods and concepts have been developed and advocated as aids to achieving improved performance, but many in the industry find them confusing or are sceptical of their relevance. The third edition of Construction Management: New Directions brings together, in a single volume, detailed discussion of a range of contemporary management concepts which are relevant to the construction industry, including strategic management; benchmarking; reengineering; partnering and alliancing; enterprise risk management; total safety management; total quality management; value management and constructability. It provides a straightforward, accessible and objective account of these concepts, showing how they interrelate and can be used to improve the performance of the construction firm. This research based text will be essential reading for industry leaders and practitioners, as well as researchers, postgraduate and senior undergraduate students. From a review of previous editions I am in no doubt that this book will quickly become a favourite among students and practitioners alike —Construction Manager

Project Partnering for the Design and Construction Industry

It is no secret that problems in the construction industry can quickly escalate into full-fledged conflicts; adversarial positions taken by the various parties involved in a project routinely lead to disrupted schedules and costly litigation. It doesn't have to be that way. Project Partnering for the Design and Construction Industry provides powerful tools for improving working relationships among contractors, designers, clients, and suppliers. Speaking directly to the construction professional, author Ralph J. Stephenson demonstrates numerous ways to avoid conflict and ensure successful, on-time project deliveries by promoting teamwork, establishing noncontract ground rules for ethical and responsible behavior, and employing a variety of conflict-resolution techniques. This thoroughly practical handbook describes all the steps, procedures, and guidelines you need to make project partnering work for you. You'll discover how to identify possible sources of conflict before the work begins and learn to plan and write a project partnering charter. You'll develop the ability to identify commonly encountered problem-types and avoid miscommunications and disputes that may arise from incompatible personalities and management styles. Using real-world case studies, examples, and his own personal observations, the author examines construction projects of all sizes and types, from inception and design through completion and beyond. He offers a historical overview of the construction industry, comments on its nature as a business, analyzes its various components, and offers helpful tips on management methods for specific projects and organizational structures. This comprehensive and enthusiastic book demonstrates how effective project partnering fosters competent, high-quality work throughout the entire life cycle of a project. It also enables construction professionals to make each project more profitable and less stressful, while finding renewed job satisfaction in a revitalized working environment. How to manage construction projects on time, within budget--and without major conflicts . . . To many contractors, architects, design engineers, and suppliers, a conflict-free construction project may seem like an impossible dream. Not so. Project Partnering for the Design and Construction Industry provides step-by-step instructions on how to conduct a high-quality, on-time, profitable construction project, while avoiding strife, adversarial behavior, or debilitating legal action. Written in plain English and spiced with humor, this enormously useful guide: * Examines all practical methods and procedures needed to create successful partnering systems for a wide range of projects * Shows how project partnering dispute resolution techniques can defuse problems and disagreements quickly and inexpensively before they get out of hand * Describes a variety of preventative measures to help contain liability and reduce time spent on nonconstruction activities * Helps establish productive relationships among all

participants in a construction project, including designers, contractors, clients, and suppliers * Provides numerous case studies where project partnering has been applied successfully, as well as real-world examples, charts, illustrations, and actual partnering charters * Offers alternative dispute resolution techniques for situations where project partnering is inappropriate * Discusses background, history, and the general organizational structure of the construction industry For contractors, engineers, architects, subcontractors, suppliers and owners, and anyone involved in the decision-making process on construction projects, this book provides the key to undertaking projects with confidence and building a solid reputation in the marketplace.

Early Contractor Involvement in Building Procurement

Can contractors and specialists add value to a project by their early involvement in design, pricing, risk management and programming? How can this be structured and what role do contracts have to play? What is the impact on procurement and project management? Commentators from Banwell to Egan have recommended earlier contractor appointments, and this has also been linked to successful project partnering. How are the two related? Early Contractor Involvement in Building Procurement considers the case for a two stage procurement approach based on a system of agreed project processes during the preconstruction phase. It examines the ways in which a contract can describe and support this model throughout its procurement, partnering and project management, and is illustrated with case studies taken from projects and programmes across the construction and engineering industry. The roles of the various parties involved, the obstacles they encounter and the benefits they can achieve are examined in detail. There is practical guidance on how to improve speed, economy, sustainability, change control, dispute avoidance, and client satisfaction. This book bridges the gap between contract law, partnering and project management and will be essential reading for middle and senior management at construction contractors, consultants and clients in both the public and private sectors.

Project Partnering

"Partnering" is a construction procurement method which aims to eliminate adversarial relations by removing the traditional barriers between client and contractor. This book is suitable for all involved in the commissioning of construction projects.

Partnering in the Construction Industry

Partnering is the most effective way of tackling construction projects. This book explains how clients and construction firms using partnering can achieve ever higher levels of efficiency and certainty to provide world class buildings and infrastructure of all kinds. Detailed guidance about the actions that clients and professionals new to partnering need to take is given followed by advice about the actions individual firms can take to get the maximum benefits from partnering. Finally the book describes how highly developed forms of partnering are developing into strategic collaborative working that turns construction into a genuinely modern industry able to meet all customers' needs. The book is designed to be used flexibly by a variety of readers, with coloured sections and executive summaries built into the body of the text to enable senior managers to get a quick overview of the guidance provided. The detailed guidance provides those at the workplace with the ammunition needed to cooperate with those around them in doing their best work. The guidance is supported by check lists that help ensure everyone involved knows what they need to do to match and then exceed today's best practice. Construction clients will learn how to get high quality, reliable and fast completion and a firm price that represents best value for money. This book helps everyone in the construction industry be fairly rewarded for delivering best practice. The expert guidance also gives the construction industry the time and resources needed to give proper attention to all aspects of quality including sustainability and total life cycle costs. to match and then exceed today's best practice.

Project Management in Construction

New to this edition: New chapters on Quality Control and Quality Assurance and Successful Commencement; new material on Ethics, Estimating a Project During Design, and Design Build Market: general contracting companies; specialty subcontractors SI units are included for international usage

Project Management for Construction

The Expanded, Enhanced, and Updated (810 Pages, 2 Volumes) Second Edition of the Must Have Information and Reference Book Designed to Guide Contract and Project Management Professionals to More-Effectively Plan, Prepare, Manage, and Administer RFPs and Contracts and Manage Contractors. - This Book provides discussions of the Legal Basics of Contracts and Contracting and the Theories, Principles, and Strategies of Contracting and Contract Management and Administration and introduces, describes, and discusses the author's unique and breakthrough concept of the Ten Stages of the Contracting Process which is a practical breakdown of the Contracting Process into Ten Interdependent Stages from planning and structuring the Request for Proposal (RFP) to Contract Close Out, Post Contract Requirements, Evaluating the Contract Documents, and Evaluating the Performance of Each Party. The Ten Stages of the Contracting Process provides Contract and Project Management personnel with a structured process to more efficiently and effectively plan, prepare, negotiate, manage, control, and evaluate RFPs and Contracts and manage and administer contracts and manage contractors resulting in well-prepared and well-managed RFPs, Contracts, and Contractors resulting in Successful Contracts and Projects. - This Book Includes - 1) Comprehensive Discussions of Contract Types/Forms, Applications, and Risks; 2) Examples of Check Lists, Forms, Formats, and Agendas used to Plan, Prepare, Manage, Administer, and Evaluate RFPs, Contracts, and Owner and Contractor Performance; 3) Examples of Practical Applications, Best Practices, Analytical Evaluations, and Lessons Learned; 4) Examples of Terms and Conditions and Definitions used in Contracts; - This Book Discusses - 1) The Integration of the Ten Stages of Contract Management with the Six Phases of Project Management and the Seven Phases of Engineering; 2) Contract Cost and Schedule Estimate Risks Based on Scope and Engineering Development; 3) Structuring the Correct Contract Type/Form Based on Scope and Engineering Development; 4) Structuring Contracts for Engineering Services with Example Formats, Agendas, and Terms; 5) Benefits and Pitfalls of Target Cost Contracts and Cost Reimbursable Contracts; 6) Pitfalls of Negotiating a Contract with a Sole or Single Source or Preferred Contractor; 7) Pitfalls of Proceeding with the Contract Work with Insufficient Engineering Documents; 8) Candid Discussions and Examples of How to Structure Effective Contract Incentives and Damages; 9) Warranties and Remedies Applicable to Contracts, Contract Work, and Completed Projects and Items; 10) Claims and the Claims Avoidance, Prevention, Management, Mitigation, and Analyses Processes; 11) Risk Management and Organizational and Human Performance Evaluation and Improvement Programs; 12) Examples of Successful and Not So Successful Contracting Situations; 13) The History of Westinghouse Electric Corporation and Westinghouse Electric Company, LLC, with Significant Contracting Lessons Learned Which Caused the Demise of Westinghouse Electric Corporation and the Bankruptcy of Westinghouse Electric Company, LLC; 14) The History of U.S. Nuclear Technology Development; the Development of Commercial Nuclear Power Plants; and Applicable Contracts and Projects Problems and Lessons Learned with Emphasis on Organizational and Human Performance Improvement Programs. The focus of this book is to improve the Contract Management skills of Project and Contract Managers, Contract Administrators, Project Engineers, Project Controls Managers, and other personnel involved in planning and executing projects requiring large, complex contracts for services, materials, and the design and fabrication of specially engineered components. The concepts, principles, strategies, and formats covered in this book are applicable to developing and managing all types of major contracts and both private and public contracts.

Contract Management and Administration for Contract and Project Management Professionals

As with all previous editions of Project Management in Construction, this sixth edition focuses on systems theory as the approach suitable for organizing and managing people skilled in the design and completion of construction projects. It discusses the many competing paradigms and alternative perspectives available, for example in relation to differentiation and integration, as well as the emerging study of temporary organizations and its relevance to construction project management. Whilst encompassing the need to develop further theoretical aspects of construction project organization theory, this edition has also enhanced the application of organization studies to practical issues of construction project management. More emphasis has been placed on the added complexity of construction project management by issues surrounding clients and stakeholders, and the control and empowerment of project participants. Additional focus has been placed on sustainability issues as they impinge on construction project management, on reworked views on supply chain management and on developments in partnering, together with clarification of the shifting terms and definitions relating to construction organization structures and their uses.

Project Management in Construction

Construction Project Management deals with different facets of construction management emphasizing the basic concepts that any engineering student is supposed to know. The major principles of project management have been derived through real life case studies from the field. Simplified examples have been used to facilitate better understanding of the concepts before going into the large and complex problems. The book features computer applications (Primavera and MS Project) used to explain planning, scheduling, resource leveling, monitoring and reporting; it is highly illustrated with line dia.

Construction Project Management

Partnering and Collaborative Working: Legal and Industry Practice brings together leading construction industry and legal experts to discuss key elements of the partnering process and how they can be implemented.

Partnering and Collaborative Working

Do recent moves in the construction industry towards collaborative working and other new procurement procedures really make good business sense? Procurement in the Construction Industry is the result of research into this question and it includes the first rigorous categorizing of the differences between procurement methods currently in use. In the process of carrying out this research, the team has produced a comprehensive study of procurement methods which looks in detail at the relative benefits and costs of different ways of working, with sometimes surprising results. As such, it is not only a valuable guide for practitioners on the complexities of the procurement process, but also an outline of the relevance of economic theory to the construction sector.

Procurement in the Construction Industry

The purpose of this work is to create a simple guide to effective contract management for the contractor and sub-contractor who simply do not have the expertise on board to ensure that contracts are effectively managed. It may also be used as a check of all the items to be considered by contract managers who have the expertise when carrying out their tasks. Without "legal speak"

Books In Print 2004-2005

Indexes materials appearing in the Society's Journals, Transactions, Manuals and reports, Special publications, and Civil engineering.

Effective Contract Management

How you can make your construction company more profitable. A 'must read' before you price your next project. Many construction companies fail despite the hard work and knowledge of their managers and owners. Some companies even start well, earning good profits, building successful projects, and the company grows - only for it all to come crashing down, often leaving a mountain of debts behind. So why do construction companies fail? Is it due to bad luck? This book explores important aspects of managing a construction company that impact its success and profitability. Obviously managers should have an understanding of running a business as well as the appropriate technical skills. But, it's usually more than this. The chapters in this book focus on the importance of selecting the right project, how to find projects, tendering correctly, winning the project, delivering the project, avoiding unnecessary costs, increasing revenue, financial and contractual controls, managing the company, the importance of good people, growing the company and ensuring the company has a good reputation. The chapters are set out in an easy to read format, filled with practical tips, which provide a step-by-step guide to growing profits, remaining profitable and running a successful construction company.

ASCE Combined Index

Advances in Civil Engineering and Building Materials presents the state-of-the-art development in: - Structural Engineering - Road & Bridge Engineering - Geotechnical Engineering - Architecture & Urban Planning - Transportation Engineering - Hydraulic Engineering - Engineering Management - Computational Mechanics - Construction Technology - Building Materials - Environmental Engineering - Computer Simulation - CAD/CAE Emphasis was given to basic methodologies, scientific development and engineering applications. Advances in Civil Engineering and Building Materials will be useful to professionals, academics, and Ph.D. students interested in the above mentioned areas.

Building a Successful Construction Company

The definitive contracting reference for the construction industry, updated and expanded Construction Contracting, the industry's leading professional reference for five decades, has been updated to reflect current practices, business methods, management techniques, codes, and regulations. A cornerstone of the construction library, this text presents the hard-to-find information essential to successfully managing a construction company, applicable to building, heavy civil, high-tech, and industrial construction endeavors alike. A wealth of coverage on the basics of owning a construction business provides readers with a useful "checkup" on the state of their company, and in-depth exploration of the logistics, scheduling, administration, and legal aspects relevant to construction provide valuable guidance on important facets of the business operations. This updated edition contains new coverage of modern delivery methods, technology, and project management. The field of construction contracting comprises the entire set of skills, knowledge, and conceptual tools needed to successfully own or manage a construction company, as well as to undertake any actual project. This book gives readers complete, up-to-date information in all of these areas, with expert guidance toward best practices. Learn techniques for accurate cost estimating and effective bidding Understand construction contracts, surety bonds, and insurance Explore project time and cost management, with safety considerations Examine relevant labor law and labor relations techniques Between codes, standards, laws, and regulations, the construction industry presents many different areas with which the manager needs to be up to date, on top of actually doing the day-to-day running of the business. This book provides it all under one cover – for the project side and the business side, Construction Contracting is a complete working resource in the field or office.

Advances in Civil Engineering and Building Materials

"Where do you turn if you are an architect or student wanting to deepen those skill sets that will make you a more successful professional? Well, taking a look at Ava Abramowitz's new book, "The Architect's Essentials of Negotiation" will be a step in the right direction." —Robert Greenstreet, Dean, University of Wisconsin at Milwaukee School of Architecture and Urban Planning This is an essential guide for architects and their clients and consultants who need professional advice on negotiations, from design development to agreements and fees. Contractors will want to read it, too, especially if they are involved with Integrated Project Delivery. This new edition offers updated insights related to negotiation, with references to the AIA Contract Documents, communication, collaboration, and handling disputes, change, and claims.

Construction Contracting

This work focuses on the project-specific form of partnering known as alliancing, which is distinguished by a financial incentive scheme. This practical guide provides a tool-kit for creating a successful alliance.

Architect's Essentials of Negotiation

Drawing upon first-hand experience, Warne provides a comprehensive review of the management concept of partnering and its application to the construction process. Partnering as an effective tool of TQM, the roles of supplier and customer, and basic principles such as shared common goals, the importance of developing high trust, and the synergistic relationship are detailed. Warne examines myriad partnering projects and describes the tangible benefits accrued to the organizations involved. Among other topics, he reveals the advantages of the team charter, team goals, the use of empowerment, evaluation and the importance of continuous improvement. Tom Warne's Partnering for Success offers engineers, architects, owners, contractors, and subcontractors proven partnering skills and techniques needed to succeed in the construction industry today.

Partnering in Europe

This book has been written as a text and reference for project management courses in both undergraduate and postgraduate building construction management courses, and quantity surveying, architecture and civil engineering programs. Its focus is on the application of important issues of project management in the construction industry.

Partnering for Success

Construction Project Management deals with different facets of construction management emphasizing the basic concepts that any engineering student is supposed to know. The book features computer applications (Primavera and MS Project) used to explain

E-transit

NCHRP Report 662 describes how selected transportation agencies have reduced the time required to complete the project delivery process. This process takes new or renewed transportation facilities and services from conception to completion, ready for users. Project delivery is a primary indicator of an agency's effectiveness. Individual highway and other transportation projects are developed under programs intended to implement agency and legislative initiatives and other public policy. The way programs are organized and managed can determine the speed and efficiency of project development. Accelerating program functions can speed up project delivery. This report describes the experiences of eight state departments of transportation (DOTs) that made improvements in their project delivery and the lessons to be learned from their experiences. The information will be useful to DOT managers seeking to ensure that their agencies' organization, policies, and program operations facilitate project delivery.

Essentials of Construction Project Management

Expectations are high regarding the potential benefits of public-private partnerships (PPPs) for infrastructure development in low-income countries. The development community, led by the G20, the United Nations, and others, expects these partnerships between governments and private companies in infrastructure service provision to aid "transformational" mega-projects, as well as efforts to achieve the Sustainable Development Goals. Yet PPPs have been widely used only since the 1990s, and discussion of their efficacy is still dominated by best-practice guidance, academic studies that focus on developed countries, or ideological criticism. Meanwhile, practitioners have quietly accumulated a large body of empirical evidence on the actual performance of PPPs. The purpose of this book is to summarize and consolidate what this critical mass of evidence-based research indicates about PPPs in low-income countries, and thereby develop a more realistic perspective on the practical value of these mechanisms. With a primary focus on Sub-Saharan Africa, though drawing on critical insights from other regions, it demonstrates that the benefits of such partnerships will only be realised if expectations remain modest and projects are subject to transparent evaluation and competition.

Dispute Resolution Journal

Behind the success of any construction project is the effective site management of the works by the principal contracting organisation. Construction Management provides a comprehensive introduction to the key management concepts, principles and practices that contribute to project success. Up-to-date with the latest developments in the field, and packed with examples and case study material, this

book is suitable for a range of students including: HNC/D and undergraduates students on building, civil engineering, construction management, quantity surveying, building surveying and architecture courses. It would also be a useful reference for postgraduates and young construction professionals.

Construction Project Management:

Today's businesses are driven by customer 'pull' and technological 'push'. To remain competitive in this dynamic business world, engineering and construction organizations are constantly innovating with new technology tools and techniques to improve process performance in their projects. Their management challenge is to save time, reduce cost and increase quality and operational efficiency. Risk management has recently evolved as an effective method of managing both projects and operations. Risk is inherent in any project, as managers need to plan projects with minimal knowledge and information, but its management helps managers to become proactive rather than reactive. Hence, it not only increases the chance of project achievement, but also helps ensure better performance throughout its operations phase. Various qualitative and quantitative tools are researched extensively by academics and routinely deployed by practitioners for managing risk. These have tremendous potential for wider applications. Yet the current literature on both the theory and practice of risk management is widely scattered. Most of the books emphasize risk management theory but lack practical demonstrations and give little guidance on the application of those theories. This book showcases a number of effective applications of risk management tools and techniques across product and service life in a way useful for practitioners, graduate students and researchers. It also provides an in-depth understanding of the principles of risk management in engineering and construction.

Subject Guide to Children's Books in Print 1997

This book provides a unique appraisal of supply chain management(SCM) concepts alongside lessons from industry, observation and analysis gathered during the first decade of supply chain management strategies in the UK construction industry. The research from leading international academics has been drawn together with the experience from some of the industry's foremost SCM practitioners to provide both a definition of SCM and an overview of its development as a strategy for managing construction-projects. Key case study material - from Slough Estates to BAA and T5 -illustrates the benefits to the industry of its adoption. Little has been written on the application of SCM to construction and this book provides an agenda for discussion for both the experienced researcher and the industry practitioner by offering a thorough grounding in its principles as well as an illustration of SCM as a methodology for industry. Construction Supply Chain Management studies makes an important contribution to the debate on innovative systems and their significance in increasingly complex construction projects.

SWE

This text documents strategies for energy cost reduction in commercial, institutional, industrial and government buildings. Emphasis is placed on the integration of energy and environmental technologies which aim to reduce global warming, improve indoor air quality and meet CFC phaseout requirements. In addition, competitive power issues are addressed and their impact on new power generation technologies and demand-side management alternatives.

Accelerating Transportation Project and Program Delivery

A completely updated guide to engineering and construction project management This up-to-date guide presents highly effective strategies for managing engineering and construction projects from the initial conceptual stage, to design and construction, all the way to completion. Reorganized to mirror the chronology of a real-world job, Project Management for Engineering and Construction: A Life-Cycle Approach, Fourth Edition addresses all phases of the project lifecycle. You will get field-ready tactics to manage the scope, budget, and schedule of a construction project, starting at the very earliest steps of the process. Coverage includes: Project initiation Preliminary development Work plan development Team selection and development Document control Early estimates Project budgeting Risk assessment and analysis Design proposals Project planning and scheduling Design coordination Construction phase Monitoring and reporting Project close out Project management skills

Subject Guide to Books in Print

In this fully up-to-date volume, important new developments and applications of discrete element modelling are highlighted and brought together for presentation at the First International UDEC/3DEC Symposium. Papers covered the following key areas: * behaviour of masonry structures (walls, bridges, towers, columns) * stability and deformation of tunnels and caverns in fractured rock masses * geomechanical modelling for mining and waste repositories * rock reinforcement design (anchors, shotcrete, bolts) * mechanical and hydro-mechanical behaviour of dams and foundations * rock slope stability, deformation and failure mechanisms * modelling of fundamental rock mechanical problems * modelling of geological processes * constitutive laws for fractured rock masses and masonry structures * dynamic behaviour of discrete structures. Numerical Modelling of Discrete Materials in Geotechnical Engineering, Civil Engineering, and Earth Sciences provides an ultra-modern, in-depth analysis of discrete element modelling in a range of different fields, thus proving valuable reading for civil, mining, and geotechnical engineers, as well as other interested professionals.

Essentials of Environmental Science, Second Edition

Public-Private Partnerships in Sub-Saharan Africa