project analysis, capital projects, independent consulting, project management expertise, investment strategy

Projects Project Expertise Analysis Capital Independent

#project analysis #capital projects #independent consulting #project management expertise #investment strategy

Our firm excels in providing independent project analysis, leveraging deep expertise to optimize capital projects from conception to completion. We deliver strategic insights and robust solutions, ensuring successful outcomes for complex initiatives.

Capital Projects

A real-world framework for driving capital project success Capital Projects provides an empirically-based framework for capital project strategy and implementation, based on the histories of over 20,000 capital projects ranging from $50,000 to $40 billion. Derived from the detailed, carefully normalized database at preeminent project consultancy IPA, this solid framework is applicable to all types of capital investment projects large and small, in any sector, including technology, life sciences, petroleum, consumer products, and more. Although grounded in empirical research and rigorous data analysis, this book is not an academic discussion or a conceptual dissertation; it's a practical, actionable, on-the-ground guide to making your project succeed. Clear discussion tackles the challenges that cause capital projects to fail or underperform, and lays out exactly what it takes to successfully manage a project using real-world methods that apply at any level. Businesses report that 60 percent of their projects fail to meet all business objectives, and IPA's database shows that projects' final average net present value undershoots initial estimates by 28 percent. This book provides concrete, actionable solutions to help you avoid the pitfalls and lead the way toward a more positive outcome. Avoid the missteps that make capital projects fail Learn the specific practices that drive project success Understand what effective capital project management entails Discover real-world best practices that generate more value from capital When capital projects fail, it is almost always preventable. Inefficiency, underestimated timelines, and unforeseen costs are the primary weights that drag a project down—and they are all avoidable with good management. Capital Projects gives you the insight and practical tools you need to drive a successful project.

Leading Complex Projects

Quantitative analysis of outcomes vs PMs at the individual level Leading Complex Projects takes a unique approach to post-mortem analysis to provide project managers with invaluable insight. For the first time, individual PM characteristics are quantitatively linked to project outcomes through a major study investigating the role of project leadership in the success and failure of complex industrial projects; hard data on the backgrounds, education, and personality characteristics of over 100 directors of complex projects is analyzed against the backdrop of project performance to provide insight into controllable determinants of outcomes. By placing these analyses alongside their own data, PMs will gain greater insight into areas of weakness and strength, locate recurring obstacles, and identify project components in need of greater planning, oversight, or control. The role of leadership is to deliver results; in project management, this means taking responsibility for project outcomes. PMs are driven by continuous improvement, and this book provides a wealth of insight to help you achieve the next step forward. Understand why small, simple projects consistently outperform larger, more complex projects Delve into the project manager's role in generating successful outcomes Examine the data from over 100 PMs of complex industrial projects Link PM characteristics to project outcome to find areas for improvement Complex industrial projects from around the world provide a solid basis for quantitative analysis of outcomes—and the PMs who drive them. Although the majority of the data is taken from projects in the petroleum industry, the insights gleaned from analysis are widely applicable across industry lines for PMs who lead complex projects of any stripe. Leading Complex Projects provides clear, data-backed improvement guidance for anyone in a project management role.

Project Reviews, Assurance and Governance

Projects are hard. By definition, projects are about non-routine activities. Many of them are large and complex; they may involve many people, often from different backgrounds and increasingly with different languages and cultures. Amongst all of this, it is easy to get lost, to overlook important trends or to misunderstand each other. So projects fail. Graham Oakes' Project Reviews, Assurance and Governance is about learning from your mistakes and understanding what's really going on with your projects. In order for reviews and assurance to provide you with this information and learning, you need to perform them effectively and that is the purpose of this book. The core of the book is built around a number of models of project review processes and governance, all derived from practice and interspersed with case studies drawn from practitioners, project management literature and from practices in other industry. The result is the blend of the conceptual and the practical needed to make your project assurance process sympathetic, relevant and rigorous for your organization and the range of projects and programmes which you undertake.

Leadership

Success in project management requires the project manager to operate at many levels and deal with a myriad of internal and external stakeholders. Leadership in the project management requires the vision, ability and courage to guide individuals and teams to rewarding experiences. Project Managers often expect to achieve a great deal, but need to realise they can achieve little without the efforts of others. This book focuses on the complexity and issues of leadership in project management. The book provides: * assist project managers in their understanding of what leadership is and how leadership influences the outcome of project success * demonstrate how empowerment can be used to achieve results and positive project outcomes * demonstrate how to engage and influence others to achieve project goals * define the theoretical and practical boundaries of decision making within the context of multiple stakeholder projects * provide an insight into what it takes to build high performance project teams * provide a communication taxonomy for managing multiple stakeholders and demonstrates how conflict should be managed * Achieve your project management goals by providing clear leadership * Build and develop an effective project team * Demonstrates how to engage and influence stakeholders and team members to achieve project goals

Energy and Water Development Appropriations for 2009

Major Projects are Delayed by Months or Years, and Cost Millions More Than Budgeted, Because of Common Mistakes Made at the Contracting Stage Organizations that invest huge amounts of capital in major building/industrial projects almost never do the engineering and building themselves. They hire engineering and construction contractors to do it for them. Unfortunately, selecting contractors and negotiating the terms of a major project is one of the most difficult aspects of project management...and organizations waste billions of dollars and "bake in" months or years of delay by doing it wrong. Contracting is also the area of project management that is most prone to firmly held opinions unencumbered by any facts. We intend to remedy that situation with this book. Drawing on a properietary detailed database of over 1100 major projects, the world's leading industrial engineering project consultant, Ed Merrow explains: Key Principles of Contracting for Major Projects: Owners are from Mars; contractors are from Venus All the biggest risks in contracting belong to the owner Contracting “games” will normally be won by contractors, not owners Most risk transfer from owners to contractors is an illusion Contractors do good projects well and bad projects poorly Contractors may have shareholders, but they are not your shareholders! Mixing different contract types with different contractors on the same project is unwise Economize on the need for trust; trust only when being trustworthy has value Merrow also explains: Which contract incentives work and which don't and WHY Which of over a dozen contracting strategies work best and which ones hardly ever work and WHY The strategic advice in this book is designed for owners and contractor project managers, team members and supply chain, executives, and other business leaders involved in major projects. It's also an indispensable resource for engineers, leaders of industrial firms, bankers, and academics studying the messy realities of the construction and engineering industries.

Contract Strategies for Major Projects

Reinforce, review, recap—anywhere you like. Study for the three parts of the CIA Exam no matter where you are with each of the three Focus Notes volumes. With updated content for 2013 exam changes, Wiley CIA Exam Review Focus Notes 2013 reviews important strategies, basic skills and concepts—so you can pass the CIA Exam your first time out. Its portable, spiral-bound, flashcard format helps you study on the go with hundreds of outlines, summarized concepts, and techniques designed to hone your CIA Exam knowledge.

Wiley CIA Exam Review Focus Notes, Internal Audit Knowledge Elements

Focusing on the Phila. Zoo's operating results for FY1992 through FY1996, this audit was performed to determine if the Zoo was operating in such a manner as to ensure that it would maintain the current level of financial independence from the City and to identify opportunities for increasing revenues and reducing costs to help foster that independence. Identifies obstacles to self-sufficiency, evaluates the job that the Zoo is doing, and presents recommendations for improvements addressed at both the Zoo and the City. Includes responses to the audit by Alexander Hoskins, Pres. of the Zoological Society of Phila., as well as the City admin.

Philadelphia Zoo, Performance Audit

Avoid common pitfalls in large-scale projects using these smart strategies Over half of large-scale engineering and construction projects—off-shore oil platforms, chemical plants, metals processing, dams, and similar projects—have miserably poor results. These include billions of dollars in over-runs, long delays in design and construction, and poor operability once finally completed. Industrial Megaprojects gives you a clear, nontechnical understanding of why these major projects get into trouble, and how your company can prevent hazardous and costly errors when undertaking such large technical and management challenges. Clearly explains the underlying causes of over-budget, delayed, and unsafe megaprojects Examines effects of poor project management, destructive team behaviors, weak accountability systems, short-term focus, and lack of investment in technical expertise Author is the CEO of the leading consulting firm for evaluating billion-dollar projects Companies worldwide are rethinking their large-scale projects. Industrial Megaprojects is your essential guide for this rethink, offering the tools and principles that are the true foundation of safe, cost-effective, successful megaprojects.

Industrial Megaprojects

The business environment, particularly after the continuing oil crises of the seventies, can be characterized as evolving rapidly in complex and often unpre dictable ways. Such things as high interest and inflation rates, fluctuating ex change rates, volatile commodity markets, and increasing political turmoil have led to a situation in which explicit consideration of environmental dynamics is becoming much more important for successful business planning than was true in the past. Companies are finding that it is no longer possible to conduct "busi ness as usual" under these changing circumstances. Rather, decision makers are having to be more cognizant of the many sources of uncertainty that could have serious impacts on the continued prosperity of the firm, as well as of actions that can be taken so that the company can thrive in spite of these greater uncertainties. Businesses have responded to these challenges by giving more thorough con sideration to strategic issues. Whereas in the past the steady progression of mar kets and technology was taken for granted, the uncertainties associated with increased worldwide competition, as well as with other exogenous factors, have vii viii INTRODUCTION forced companies to think more about flexibility. This involves not only how best to exploit profitable current options, but also how to position themselves at present to be able to respond appropriately to threats and opportunities as they arise in the future. Unfortunately, in this redirection of outlook, the fmance profession has not kept pace.

Budget issues agency implementation of capital planning principles is mixed.

The evolution of knowledge management theory and the special emphasis on human and social capital sets new challenges for knowledge-driven and technology-enabled innovation. Emerging technologies including big data and analytics have significant implications for sustainability, policy making, and competitiveness. This edited volume promotes scientific research into the potential contributions knowledge management can make to the new era of innovation and social inclusive economic growth. We are grateful to all the contributors of this edition for their intellectual work. The organization of the relevant debate is aligned around three pillars: SECTION A. DATA, KNOWLEDGE, HUMAN AND SOCIAL CAPITAL FOR INNOVATION We elaborate on the new era of knowledge types and the emerging forms of social capital and their impact on technology-driven innovation. Topics include: · Social Networks · Smart Education · Social Capital · Corporate Innovation · Disruptive Innovation · Knowledge integration · Enhanced Decision-Making. SECTION B. KNOWLEDGE MANAGEMENT & BIG DATA ENABLED INNOVATION In this section, knowledge management and big data applications and systems are presented. Selective topic include: · Crowdsourcing Analysis · Natural Language Processing · Data Governance · Knowledge Extraction · Ontology Design Semantic Modeling SECTION C. SUSTAINABLE DEVELOPMENT In the section, the debate on the impact of knowledge management and big data research to sustainability is promoted with integrative discussion of complementary social and technological factors including: · Big Social Networks on Sustainable Economic Development · Business Intelligence

Energy and Water Development Appropriations for 1990: Department of Energy FY 1990 budget justifications

These proceedings represent the work of contributors to the 17th International Conference on Intellectual Capital, Knowledge Management & Organisational Learning (ICICKM 2020), hosted by ACI and the University of Toronto, Canada on 15-16 October 2020. The Conference Chairs are Dr. Anthony Wensley, from the University of Toronto and Dr. Max Evans, from McGill University. The Programme Chair is Dr. Ilja Frissen from McGill University.

Energy and Water Development Appropriations for 1990

"The United States Code is the official codification of the general and permanent laws of the United States of America. The Code was first published in 1926, and a new edition of the code has been published every six years since 1934. The 2012 edition of the Code incorporates laws enacted through the One Hundred Twelfth Congress, Second Session, the last of which was signed by the President on January 15, 2013. It does not include laws of the One Hundred Thirteenth Congress, First Session, enacted between January 2, 2013, the date it convened, and January 15, 2013. By statutory authority this edition may be cited "U.S.C. 2012 ed." As adopted in 1926, the Code established prima facie the general and permanent laws of the United States. The underlying statutes reprinted in the Code remained in effect and controlled over the Code in case of any discrepancy. In 1947, Congress began enacting individual titles of the Code into positive law. When a title is enacted into positive law, the underlying statutes are repealed and the title then becomes legal evidence of the law. Currently, 26 of the 51 titles in the Code have been so enacted. These are identified in the table of titles near the beginning of each volume. The Law Revision Counsel of the House of Representatives continues to prepare legislation pursuant to 2 U.S.C. 285b to enact the remainder of the Code, on a title-by-title basis, into positive law. The 2012 edition of the Code was prepared and published under the supervision of Ralph V. Seep, Law Revision Counsel. Grateful acknowledgment is made of the contributions by all who helped in this work, particularly the staffs of the Office of the Law Revision Counsel and the Government Printing Office"--Preface.

Capital Budgeting Under Conditions of Uncertainty

Project Analysis and Financing brings together the joint disciplines of capital budgeting and project finance, detailing the key theories underpinning current best practice in these areas. This text is ideal for students of advanced undergraduate and postgraduate courses in investment analysis and project finance, as well as bankers, lawyers, project sponsors, policy makers with responsibility for raising private finance for public sector projects, contractors, project consultants and other practitioners working in the field. The book contains a wide array of case studies which illustrate the subject's key principles in action. Its thorough coverage of relevant modern finance theory, from the Capital Asset Pricing Model to real options, combined with a full range of real world examples of project finance and capital budgeting in action, acts as an excellent conceptual and practical guide to the subject.

Agriculture, Rural Development, and Related Agencies Appropriations for Fiscal Year 2000

In light of the recent financial crisis in Europe and the increasing importance of sustainability in construction, insights and practical guidance for financial evaluation and risk management of infrastructure projects are extremely valuable for a well-planned future. It can make a massive difference in the outcomes of construction projects that have access to the "future economic benefits" approach to asset valuation as a correct asset management accounting to prevent over and underestimation of investments and repair debt. The Financial Evaluation and Risk Management of Infrastructure Projects is a comprehensive guide for professionals and students in the fields of construction and investment, as well as financial and investment institutions. It emphasizes the importance the life cycle cost of infrastructure projects and cost-benefit analysis in optimizing investments, as well as highlighting the need for cost-effective and sustainable infrastructure projects that incorporate "value for money" construction solutions while considering all risks involved. This book is ideal for professionals in construction, investment institutions, and financial and investment institutions, as well as for students in construction and investments. With the recent financial crisis in Europe and the growing focus on sustainability in construction, this guide offers practical insights and guidance for financial evaluation and risk management of infrastructure projects.

Knowledge Management, Innovation and Big Data

With the principles of business strategies in mind, the analysis of cost containment plans, project risk evaluation, and the wide-range of quality planning techniques is essential for the integration of renewable generation and capital-intense endeavors in the current electrical infrastructure. Business Strategies for Electrical Infrastructure Engineering: Capital Project Implementation brings together research on informed-decision making within the strategic planning sphere of system integration. By highlighting social responsibility and environmental issues, this book is essential for technologically-literate executives, engineers, application analysts and many more interested in high-impact process evaluation.

ECIC2009-2nd European Conference on Intellectual Capital

Foreword A famous Portuguese Poet once said around one hundred years ago; “before I was born all the words that should save the Humanity had already been written.., the only thing that was missing was to save Humanity.” Fast forward to the 21st century services led and knowledge based economy, and we have myriads of theoretical study about the decisive assets – namely intangibles. Those analysis are made in several perspectives, namely Human Resources, Knowledge Management, Intellectual Capital, and also many sectorial perspectiveslike Trade, Economics, Logistics, Social Policy etc. However, today the question about the applicability of all these studies remains unsolved. So, it like, many of the words that will save the Knowledge Economy have already been written, all we need is to save the Knowledge Economy…Or is it not? The idea behind TAKE Conference was to provide a multidisciplinary forum in which those multiple perspectives will come together. We believe it is a fruitful operation and we intend to continue the exercise in the future. The problem of the relation between theory and practice in the knowledge economy is getting more important and not lessimportant with the development of the BRICS and other nations. TAKE main question will be one of the problems of the 21st century. Following the promising start of TAKE 2016 in Aveiro, Portugal, TAKE 2017 was organized by the Faculty of Economics of Zagreb University, around Prof. Blazenka Knezevic. I would like to thank her and her team for the massive effort in putting TAKE 2017 together. It will be a very nice and memorable conference. I would like also to thank the 5 keynotes, the special sessions and workshop organizes, the authors of the 60 papers and 5 posters, the stream leaders, the reviewers and the sponsors for the efforts. And to the 90 participants from 20 countries: Austria, Bosnia Herzegovina, Canada, Croatia, Germany, Hong Kong, Hungary, Netherlands, Mexico, Portugal, Poland, Romania, Russia, South Africa, Serbia, Slovakia, Spain, Thailand, United Kingdom, United States. A special word to Prof. Gaby Neumann from Wildau who organized the Proceedings. Let us make TAKE 2017 a great occasion and help save the knowledge economy a bit. Eduardo Tomé, Conference Chair Zagreb, July 2017

17th International Conference on Intellectual Capital, Knowledge Management & Organisational Learning

Cities across the globe are looking to develop affordable, environmentally friendly, and socially responsible transportation solutions that can meet the accessibility needs of expanding metropolitan populations and support future economic and urban development. When appropriately planned and properly implemented as part of a larger public transportation network, urban rail systems can provide rapid mobility and vital access to city centers from surrounding districts. High-performing urban rail services, when carefully approached as development projects, can help enhance quality of life by giving citizens access to employment opportunities, essential services, urban amenities, and neighboring communities. The purpose of this Handbook is to synthesize and disseminate knowledge to inform the planning, implementation, and operations of urban rail projects with a view towards: -- Emphasizing the need for early studies and project planning; -- Making projects more sustainable (economically, socially, and environmentally); -- Improving socioeconomic returns and access to opportunities for users; -- Maximizing the value of private participation, where appropriate; and -- Building capacity within project implementing and managing institutions This Handbook provides experiential advice to tackle the technical, institutional, and financial challenges faced by decision makers considering urban rail projects. It brings together the expertise of World Bank staff and the input of numerous specialists to synthesize international 'good practices' and recommendations that are independent of commercial, financial political, or other interests. The material presented is intended as an honest-broker guide to maximize the impact and manage the challenges of urban rail systems in cities in both developed and developing countries. Rather than identify a single approach, this Handbook acknowledges the complexities and context necessary when approaching an urban rail development by helping to prepare decision makers to ask the right questions, consider the key issues, perform the necessary studies, apply adequate tools, and learn from international good practice all at the right time in the project development process.

United States Code

Decision analysis (DA) guides executives toward logical, consistent decisions under uncertainty. This book instructs readers in applying DA to feasibility analysis, project estimation, and project risk management.This is a wholly rewritten and expanded successor to the best-selling first and second editions.The entire investment lifecycle is covered, from conception, to the project plan, to the post-project review, and to a look-back analysis of the capital investment decision.DA applies to all manner of project management (PM) decisions for individuals, government, and non-profit organizations. The book uses a business investment perspective and assumes that maximizing value for the project owner is the objective.DA is a problem-solving process. There are four key features: 1) probabilities and probability distributions express best judgments about risks and uncertainties. 2) The organization has a decision policy expressed as a single metric (the objective function). 3) Probabilities and outcome values combine in the probability-weighting expected value calculation. 4) The organization as a policy to choose the best expected value alternative.This book aims to make decision making clear, simple, and logical. A clear decision policy can be elusive, and the author offers suggestions for making trade-offs among conflicting objectives. Converting the three pillars of project management (cost, schedule, and performance) into project value equivalents makes the trade-offs clear.This book is intended for serious PM students and practitioners. This is an essential concepts and how-to book. The scope is quantitative analysis, from project inception to post-project review. Project cost and schedule modeling, in modest detail, is essential to feasibility analysis and risk management. A general background in PM and corporate planning will be helpful. The methods are quantitative and straightforward. The reader should be comfortable with basic algebra and Microsoft(r) Excel(r).The book has eight pages of Suggested Reading annotated references (plus footnote additions), over 250 figures, approximately 600 Glossary definitions, and over 2400 Index entries. Online supplements include several whitepapers and other documents, example calculation spreadsheets, detailed color images of several important figures, four videos (including a critical chain simulation), and the Utility Elicitation Program (a web app, free for most users).Key topics include: Decision trees and Monte Carlo simulation for calculating outcome distributions and expected values * Probability concepts, including Bayes' rule for value of information analysis * Popular probability distribution types and when they apply * Eliciting expert judgments, with attention to potential cognitive and motivational biases * Recognizing the three pillars project in terms of project value * A 10-step decision analysis process * Project modeling concepts and techniques, with special attention to risk drivers and other correlations * Deterministic and stochastic sensitivity analysis * Decision policy that distinguishes objectives, time value, and risk attitude * @RISK(r) with Microsoft(r) Project for project simulations under uncertainty * Logical, consistent risk policy expressed as a utility function * Merge bias when task chains converge at a merge point * Tail estimate bias when estimating highly uncertain quantities * Optimizer's curse, a portfolio forecasting bias * Winner's curse, a bias characteristic of auctions * Using the best of critical chain and Monte Carlo simulation * Stochastic variance between a deterministic and a stochastic model * Modeling risk and uncertainty using probabilities, probability distributions, explicit formula relationships, correlation coefficients, risk drivers, conditional branching, and rework cycles.

United States Code 2012 Edition Supplement IV

Through the introduction of a new lens through which to view infrastructure finance policy, this book analyses the role of Public Private Partnerships within the context of long-term capital investment and improvement planning, and as a critical aspect of effective long-term capital infrastructure finance policy.

ICICKM2015-12th International Conference on Intellectual Capital Knowledge Management & Organisational Learning

Proceedings of the 13th International Conference on Intellectual Capital Knowledge Management & Organisational Learning held at Ithaca College, NY, USA on 16-17 Septemeber 2016

Project Analysis and Financing

Businesses today can struggle to adjust to the unprecedented level of change that is taking place as a result of the growing role of technology, the Internet, and the global marketplace. For organizations to survive and thrive in the global economy, we must find ways to dramatically improve the performance of large-scale projects.Managing Complex Projects: A New Model offers an innovative way of looking at projects, treating them as complex adaptive systems that are themselves part of even larger complex systems-the organization and the global economy. By applying the principles of complexity thinking, project managers and leadership teams will learn to successfully manage significant, large-scale initiatives.This book explains step-by-step how to use the Project Complexity Model to determine the approach needed to manage all aspects of a project based on the level of complexity involved.

Financial Evaluation and Risk Management of Infrastructure Projects

Over the past few decades, Project Management has shifted from its roots in construction and defense into mainstream American business. However, many project managers' areas of expertise lie outside the perimeters of business, and most do not have the formal education in business, accounting, or finance required to take their skills to the next level. In order to succeed, today's project managers (PMs) who wish to soar to the top or remain at the helm of their profession need to have a comprehensive grasp of the business context within which they work. Providing a resourceful introduction to the interrelationships between finance, accounting, and Project Management, Project Management Accounting, Second Edition is designed to help PMs at various skill levels improve their business skills, provide advanced contributions to their organizations, and perform with greater proficiency. Authors and industry experts Kevin Callahan, Gary Stetz, and Lynne Brooks combine their decades of Project Management experience and insights to provide professionals in the field with a 360-degree understanding of how costs interact with the general ledger. Through the authors' seasoned expertise, PMs are better equipped to assess all facets of a project with a broader understanding of the "big picture" to determine whether to continue as planned, find an alternative solution, or scrap the project altogether. Rich with new content as well as many new case studies, this Second Edition of Project Management Accounting includes: Updated information on Project Management and its link to Project Accounting A new chapter on assessing risk when managing projects How to determine the greatest tax/cost savings Project Management in relation to a company's mission, objectives, and strategy Project Management in an agile business Coverage of agile Project Management as applied to software and technical projects New, updated, and timely case studies Sample checklists to help readers get started and apply concepts to their business Project managers must make vital decisions every day that impact the schedule, costs, or resources committed to a given project. Project Management Accounting, Second Edition, provides the tools and skills to help PMs establish with greater certainty whether these costs should be capitalized or expensed to stay on budget and improve a company's bottom line.

Final Report on Recommendations to Improve Public Works Decision-making

This PEFA assessment provides a snapshot of the country's PFM system performance in order to support the government in defining PFM reform priorities. The previous assessment was conducted in 2015, therefore the current assessment follows after the recommended time period between the two assessments. Furthermore, the scope and objectives of the reforms initiated and implemented in the intervening period makes tracking the change in the PFM system needed and meaningful. The assessment was conducted by the International Monetary Fund and the World Bank, with the Ministry of Finance and other relevant country institutions being the primary beneficiaries of the assessment.

ICICKM 2018 15th International Conference on Intellectual Capital Knowledge Management & Organisational Learning

Business Strategies for Electrical Infrastructure Engineering: Capital Project Implementation