Contractors Perception Of Factors Contributing To Road

As businesses seek to compete on a global stage, they must be constantly aware of pressures from all levels: regional, local, and worldwide. The organizations that can best build advantages in diverse environments achieve the greatest success. Global Business Expansion: Concepts, Methodologies, Tools, and Applications is a comprehensive reference source for the latest scholarly material on the emergence of new ideas and opportunities in various markets and provides organizational leaders with the tools they need to be successful. Highlighting a range of pertinent topics such as market entry strategies, transnational organizations, and competitive advantage, this multi-volume book is ideally designed for researchers, scholars, business executives and professionals, and graduate-level business students.

Despite many years of development, risk management remains problematic for the majority of organizations. One common challenge is the human dimension, in other words, the way people perceive risk and risk management. Risk management processes and techniques are operated by people, each of whom is a complex individual, influenced by many different factors. And the problem is compounded by the fact that most risk management involves people working in groups. This introduces further layers of complexity through relationships and group dynamics. David Hillson's and Ruth Murray-Webster's Understanding and Managing Risk Attitude will help you understand the human aspects of risk management and to manage proactively the influence of human behaviour on the risk process. The authors introduce a range of models, perspectives and examples to define and detail the range of possible risk attitudes; looking both at individuals and groups. Using leading-edge thinking on self-awareness and emotional literacy, they develop a powerful approach to address the most common shortfall in current risk management: the failure to manage the human aspects of the process. All this is presented in a practical and applied framework, rather than as a theoretical or academic treatise, based on the authors' shared experiences and expertise, rather than empirical research. Anyone involved in implementing risk management will benefit from this book, including risk practitioners, senior managers and directors responsible for corporate governance, project managers and their teams. It is also essential reading for HR professionals and others interested in organizational or behavioural psychology. This second edition is updated to strengthen the understanding of individual risk attitudes and reinforce what individuals can do to manage those risk attitudes that are leading them away from their objectives. For people who want to embrace this subject, the book highlights ways forward that are proven and practical.

This book covers various current and emerging topics in construction management and real estate. Papers selected in this book cover a wide variety of topics such as new-type urbanization, planning and construction of smart city and eco-city, urban-rural infrastructure development, land use and development, housing market and housing policy, new theory and practice of construction project management, big data application, smart construction and BIM, international construction (i.e., belt and road project), green building, off-site prefabrication, rural rejuvenation and eco-civilization and other topics related to construction management and real estate. These papers provide useful references to both scholars and practitioners. This book is the documentation of the 24th International Symposium on Advancement of Construction Management and Real Estate, which was held in Chongqing, China.

This book, divided in two volumes, originates from Techno-Societal 2020: the 3rd International Conference on Advanced Technologies for Societal Applications, Maharashtra, India, that brings together faculty members of various engineering colleges to solve Indian regional relevant problems under the guidance of eminent researchers from various reputed organizations. The focus of this volume is on technologies that help develop and improve society, in particular on issues such as advanced and sustainable technologies for manufacturing processes, environment, livelihood, rural employment, agriculture, energy, transport, sanitation, water, education. This conference aims to help innovators to share their best practices or products developed to solve specific local problems which in turn may help the other researchers to take inspiration to solve problems in their region. On the other hand, technologies proposed by expert researchers may find applications in different regions. This offers a multidisciplinary platform for researchers from a broad range of disciplines of Science, Engineering and Technology for reporting innovations at different levels.

Quality management has received much attention in recent years, not least in the construction industry. This book provides a description of the techniques of quality management and how they are implemented, regardless of the context. The author applies the techniques to the construction industry and brings in some practical experience from contractors in the construction industry.

Building information modelling (BIM) is a set of interacting policies, processes and technologies that generates a methodology to manage the essential building design and project data in digital format throughout the building's life cycle. BIM, makes explicit, the interdependency that exists between structure, architectural layout and mechanical, electrical and hydraulic services by technologically coupling project organizations together. Integrated Building Information Modelling is a handbook on BIM courses, standards and methods used in different regions (Including UK, Africa and Australia). 13 chapters outline essential information about integrated BIM practices such as the BIM in site layout plan, BIM in construction product management, building life cycle assessment, quantity surveying and BIM in hazardous gas monitoring projects while also presenting information about useful BIM tool and case studies. The book is a useful handbook for engineering management professionals and trainees involved in BIM practice.

This book has been written to represent the efficient applications of sustainability upon building designs. The book intends to illustrate various techniques of action of sustainability on building conceptions. The book is divided into four parts and eight chapters. Part I "Introduction into Target Theme" includes a chapter with title "Introductory Chapter." It makes an overview of the meaning and the target of sustainable building and sustainable building material. Part II "Sustainable Building Design, Process, and Management" discusses many forms and concepts of sustainable building and includes three chapters. Part III "Sustainable Building by Using Energy Efficiency in Building Design" includes one chapter. Part IV "Sustainability in Building Materials: Study Cases" includes three chapters.

The special focus of this proceedings is to cover the areas of infrastructure engineering and sustainability management. The state-of-the art information in infrastructure and sustainable issues in engineering covers earthquake, bioremediation, synergistic management, timber engineering, flood management and intelligent transport systems. It provides precise information with regards to innovative research development in construction materials and structures in addition to a compilation of interdisciplinary finding combining nano-materials and engineering.

The construction industry is amidst a digital transformation that is focused on addressing well-documented issues and calls for

significant improvements and changes through increased productivity, whole-life value, client focus, reduction of waste, and being more sustainable. The key aspect to driving change and transformation is the education and upskilling of the required workforce towards developing the required capacities. Various approaches can be taken to embed digital construction within education and through collaborative efforts in order to drive change and facilitate improvements. The Handbook of Research on Driving Transformational Change in the Digital Built Environment focuses on current developments in practice and education towards facilitating transformation in the built environment. This book provides insight, from a practice perspective, in relation to the client's understanding, digitally enabled collaboration, interoperability and open standards, and maturity/capability. Covering topics that include digital transformation and construction, digitally enabled infrastructure, building information modelling, collaborative digital education, and the digital built environment, this book is an ideal reference source for engineers, professionals, and researchers in the field of digital transformation as well as doctoral scholars, doctoral researchers, professionals, and academicians.

This book documents the experiences, development, and prospects of the construction industry in numerous developing countries. It will provide a strong base of reference for countries looking to improve their construction industries as part of their wider economic development programme. The opening chapter presents a strategic overview of the contents of the book, and each country-specific chapter is structured to consider the legal and policy frameworks, administrative infrastructure and procedures, and implementation mechanisms, as well as the experiences, current activities, and future plans and programmes with respect to construction industry development in each country. The concluding chapter looks forward and considers the implications of future trends for the construction industries in developing countries and the actions which will be required to address them. Chapters cover: India, Singapore, Chile, South Africa, Tanzania, Malaysia, Botswana, Ghana, Uganda, Indonesia, China, Croatia, and Eswatini. Readers will learn about the wealth of comparable stories from global coverage from the detailed country-specific cases. Building on important scholarly works in the field, this book is essential reading for academics, researchers, and policy makers in built environments, economics, construction management, infrastructure management, and the wider construction industry.

The text offers 123 articles on recent research and practice in construction safety, from 19 developed countries. Topics covered include: safety management and planning; education and training; innovative safety technology; site safety, and progra...

The most significant unanticipated costs on many construction projects are the financial impacts associated with delay and disruption to the works. Assessing these, and establishing a causal link from each delay event to its effect, contractual liability and the damages experienced as a direct result of each event, can be difficult and complex. This book is a practical guide to the process of delay analysis and includes an in-depth review of the primary methods of delay analysis, together with the assumptions that underlie the precise calculations required in any quantitative delay analysis. The techniques discussed can be used on projects of any size, under all forms of construction contract, both domestic and international. The authors discuss not only delay analysis techniques, but also their appropriateness under given circumstances, demonstrating how combined approaches may be applied where necessary. They also consider problematic issues including 'who owns the float', concurrent delay, early completion programmes, and disruption. The book has been brought fully up to date, including references to the latest publications from the CIOB, AACEI and SCL, as well as current case law. Broad in scope, the book discusses the different delay analysis approaches likely to be encountered on national and international projects, and features practical worked examples and case studies demonstrating the techniques commonly used by experienced practitioners. This is an invaluable resource to programmers and schedulers, delay analysts, contractors, architects, engineers and surveyors. It will also be of interest to clients' professional advisors managing extension of time or delay claims, as well as construction lawyers who require a better understanding of the underlying assumptions on which many quantitative delay analyses are based. Reviews of First Edition "John Keane and Anthony Caletka are pukka analysts in that tricky area of delays, programming and extension of time. I highly recommend their book Delay Analysis in Construction Contracts. Buy the book." (Building Magazine, February 2009) "The book?s stated purpose is to provide a practical guide for those interested in schedule delay analysis. It provides a good in–depth review of the most common delay analysis techniques.... An excellent book, full of practical tips for the reader and very timely in its publication. It is well worth the cost and a good read for anyone involved in schedule delay analysis." (Cost Engineering, February 2009) It achieves in spades its stated aim of being a practical guide for contractors, contract administrators, programmers and delay analysts, as well as construction lawyers who require a better understanding of the underlying assumptions on which many quantitative delay analyses are based. (Construction Law Journal, 2009)

This book explores construction digitalisation, particularly in developing countries. The book conceptualises a digitalisation capability maturity model that will enable construction organisations to self-assess and benchmark their digital capabilities in their quest for digital transformation. Digitalisation offers a significant solution to the age-long problems of the construction industry. Research shows that when construction organisations transform from a traditional service delivery approach to a more digitalised approach, significant improvement in project delivery and better competitive advantage for these organisations will be attained. The attainment of these benefits is evident in developed countries where the digitalisation of construction activities continues apace. Unfortunately, the story is not the same for construction organisations in developing economies. While some organisations might be willing to be digitally transformed, most have no clue how to go about it. To this end, this book provides guidelines for construction organisations seeking to transform their entities digitally. Its content is a valuable read for construction company owners as it provides a model which they can use in the digitalisation of their activities. Also, regulatory bodies in the construction industry can adopt the capabilities identified in the book as essential prerequisites for their members. Furthermore, the book serves as excellent theoretical background reading for management researchers seeking to expand their knowledge on the digitalisation of the construction industry and other associated industries.

This volume presents the proceedings of the ZAFIN Finance and Sustainability conference, organized by the Wroclaw University of Economics in cooperation with Corvinus University of Budapest and the University of Economics in Prague. The contributing authors analyze a variety of issues concerning recent finance problems, including corporate finance, public finance, monetary and fiscal policy issues, and risk management. The book also addresses topics connected to sustainable finance, the transition to green economies, corporate sustainability and sustainable development. The target audience for this book includes researchers at universities and research and policy institutions, graduate students, and practitioners in economics and finance working for private or government institutions.

The Chinese Research Institute of Construction Management (CRIOCM) in collaboration with Shenzhen University (SZU) proudly invites all academics, researchers and professionals to participate in the CRIOCM 2012, the 17th International Symposium on

"Advancement of Construction Management and Real Estate." We will uphold and preserve the idea and tradition of pragmatism and innovation, to offer an excellent academic and communication platform for academics and professionals to exchange information on the latest developments in real estate and construction management.

This book gathers the proceedings of the 1st International Conference on Engineering, Applied Sciences and System Modeling (ICEASSM), a four-day event (18th–21st April 2017) held in Accra, Ghana. It focuses on research work promoting a better understanding of engineering problems through applied sciences and modeling, and on solutions generated in an African setting but with relevance to the world as a whole. The book provides a holistic overview of challenges facing Africa, and addresses various areas from research and development perspectives. Presenting contributions by scientists, engineers and experts hailing from a host of international institutions, the book offers original approaches and technological solutions to help solve real-world problems through research and knowledge sharing. Further, it explores promising opportunities for collaborative research on issues of scientific, economic and social development, making it of interest to researchers, scientists and practitioners looking to conduct research in disciplines such as water supply, control, civil engineering, statistical modeling, renewable energy and sustainable urban development.

The problems inherent in the traditional design-bid-build procurement method often lead to the adversarial working relationships within the construction industry. Target cost contracts, accompanied by a gain-share/pain-share arrangement serving as a cost incentive mechanism, have emerged in the United States, the United Kingdom, Australia and Hong Kong with the aim of achieving better value for money and more satisfactory overall project performance under a collaborative working relationship. This book presents the underlying principles, practicalities and a series of short case studies of applying the target cost contracting strategy. Principles begin with the fundamentals then cover the development of target cost contracting in major countries/cities, definitions of target cost contracting, perceived benefits, potential difficulties and critical success factors for implementation. Practices include the target cost contracting approach and process in general, the key risk factors, risk assessment model, risk allocation and risk mitigation measures for target cost contracts in particular, together with a conceptual framework for the performance measurement of target cost contracts. Several short real-life case studies from the United Kingdom, Hong Kong, Australia and New Zealand are provided for further illustration. The book will appeal to a wide spectrum of readers from industrial practitioners to undergraduate students, researchers and academics interested in construction contracts and procurement methods.

This book discusses the latest findings on ensuring employees' safety, health, and welfare at work. It combines a range of disciplines – e.g. work physiology, health informatics, safety engineering, workplace design, injury prevention, and occupational psychology – and presents new strategies for safety management, including accident prevention methods such as performance testing and participatory ergonomics. The book, which is based on the AHFE 2018 International Conference on Safety Management and Human Factors, held on July 21–25, 2018, in Orlando, Florida, USA, provides readers, including decision makers, professional ergonomists and program managers in government and public authorities, with a timely snapshot of the state of the art in the field of safety, health, and welfare management. It also addresses agencies such as the Occupational Safety and Health Administration (OSHA) and the National Institute for Occupational Safety and Health (NIOSH), as well as other professionals dealing with occupational safety and health.

This book is the essential guide to the pedagogical and industry-inspired considerations that must shape how BIM is taught and learned. It will help academics and professional educators to develop programmes that meet the competences required by professional bodies and prepare both graduates and existing practitioners to advance the industry towards higher efficiency and quality. To date, systematic efforts to integrate pedagogical considerations into the way BIM is learned and taught remain non-existent. This book lays the foundation for forming a benchmark around which such an effort is made. It offers principles, best practices, and expected outcomes necessary to BIM curriculum and teaching development for construction-related programs across universities and professional training programmes. The aim of the book is to: Highlight BIM skill requirements, threshold concepts, and dimensions for practice; Showcase and introduce tried-and-tested practices and lessons learned in developing BIM-related curricula from leading educators; Recognise and introduce the baseline requirements for BIM education from a pedagogical perspective; Explore the challenges, as well as remedial solutions, pertaining to BIM education at tertiary education; Form a comprehensive point of reference, covering the essential concepts of BIM, for students; Promote and integrate pedagogical consideration into BIM education. This book is essential reading for anyone involved in BIM education, digital construction, architecture, and engineering, and for professionals looking for guidance on what the industry expects when it comes to BIM competency.

Developing a Questionnaire: 2nd Edition is a comprehensive guide to the successful design and implementation of questionnaires as a research method. It covers: how, why and when to use questionnaires how to analyse data how to present results how to relate questionnaires to other forms of research. This second edition contains new chapters on the use of questionnaires in surveys, face-to-face questionnaires and telephone interviews.

The papers presented at Building Information Modelling 2017 (BIM) are from a range of forums, including plenary papers, workshops, seminars, and panel sessions. The conference was attended by experts from industry, practice and academia, sharing their work on key topics, the development of innovative solutions, and the identification future trends. The volume gives details of how BIM tools and techniques have fundamentally altered the manner in which modern construction teams operate, the processes through which designs are evolved, and the relationships between conceptual, detail, construction and life cycle stages. BIM is essentially value-creating collaboration throughout the entire life-cycle of an asset, underpinned by the statistics attached to them and has far and reaching consequences on both building procurement and infrastructure. BIM 2017 papers cover topics such as: BIM in design coordination, Construction operations; Building operation and maintenance; BIM and sustainability; Collaborative working and practices; Facilities management integration and GIS integration; Automation in construction; Health and safety; BIM and interoperability; Life cycle project management; Cultural heritage; BIM and Robotics; Risk analysis and management and Emergency analysis, planning and management

This study presents exploratory work and seeks to identify and evaluate the success and failure factors that could form a guideline for further study and to some extent help professionals to understand some critical aspects that impact project performance concerning construction in India. A total of 55 attributes affecting the performance of construction projects are analysed in terms of their level of influence on four key performance criteria – schedule, cost, quality, and no disputes – using a two-stage questionnaire survey. These attributes are then further analysed, interpreted and evaluated. Based on the critical success factors obtained from

the study, a neural network model-based predictive model for project performance has been developed. The performance prediction models have been derived for all four project performance criteria. Further, a hypothesis that ‘project success’ is influenced by ‘success traits’ has also been formulated. The hypothesized positive inter-relationships between success traits and project success have been tested using the structural equation modelling technique. Besides supporting the intuition of past researchers in recognizing ‘coordination’ as a key success factor, this study has revealed that coordination is not an isolated and independent activity, but is a typical management function with an inherent role in all major management activities. Key elements affecting coordination have also been identified and their influence on coordination effort has been studied. Furthermore, the present study has also identified three broad skill groups required of effective project coordinators. The results are validated through case studies of live projects and structured interviews with experts in the field of construction management.

This volume presents innovative work on innovative methods, tools and practices aimed at supporting the transition of Asian and Middle Eastern cities and regions towards a more smart and sustainable dimension. The role of the built and urban environment are becoming more pronounced in Asia and Middle East as the regions continues to experience rapid increase in population and urbanisation, which have only led to an increase in environmental degradation but also rise in energy consumption and emissions. Individual chapters covers timely topics such as sustainable infrastructure, transportation, renewable energy, water and methods supporting an innovative and sustainable development of urban areas. Real-world examples are presented to highlight recent developments and advancements in design, construction and transportation infrastructures. The volume is based on the best contributions to the 2nd GeoMEast International Congress and Exhibition on Sustainable Civil Infrastructures, Egypt 2018 – The official international congress of the Soil-Structure Interaction Group in Egypt (SSIGE).

A recent construction project in Singapore involved a Russian plant, a Japanese management team, Australian and Italian engineers, Thai steel workers and a labour force from throughout Asia ... The recent growth explosion of multi-nationals and the lowering of trade barriers is pushing the globalization of construction at a startling pace. Mark Mawhinney has brought together for the first time, advice, information and evidence on this developing arena from a wide range of sources. This book offers a clear understanding of the international construction market and an explanation of what knowledge is required to operate successfully in it. It also helps readers become familiar with some of the analytical tools available. Drawing on both contractor and consultant case studies and including a practical 'hints and signposts' section, International Construction provides a lively and informed introduction for construction professionals moving into international work.

Praise for the Second Edition "Statistics for Research has other fine qualities besidessuperior organization. The examples and the statistical methods arelaid out with unusual clarity by the simple device of using specialformats for each. The book was written with great care and isextremely user-friendly."—The UMAP Journal Although the goals and procedures of statistical research havechanged little since the Second Edition of Statistics for Researchwas published, the almost universal availability of personalcomputers and statistical computing application packages have madeit possible for today's statisticians to do more in less time thanever before. The Third Edition of this bestselling text reflects how thechanges in the computing environment have transformed the waystatistical analyses are performed today. Based on extensive inputfrom university statistics departments throughout the country, theauthors have made several important and timely revisions,including: Additional material on probability appears early in thetext New sections on odds ratios, ratio and difference estimations,repeated measure analysis, and logistic regression New examples and exercises, many from the field of the healthsciences Printouts of computer analyses on all complex procedures An accompanying Web site illustrating how to use SAS® andJMP® for all procedures The text features the most commonly used statistical techniquesfor the analysis of research data. As in the earlier editions,emphasis is placed on how to select the proper statisticalprocedure and how to interpret results. Whenever possible, to avoidusing the computer as a "black box" that performs a mysteriousprocess on the data, actual computational procedures are alsogiven. A must for scientists who analyze data, professionals andresearchers who need a self-teaching text, and graduate students instatistical methods, Statistics for Research, Third Edition bringsthe methodology up to date in a very practical and accessibleway.

Valuing People in Construction provides contemporary perspectives on the ‘glue’ that binds the construction process together; people. The book addresses people issues in the construction industry where behavioural outcomes impact upon business and project performance. The main proposition of the book is that as people continue to lead the completion of construction activities, their health, safety, and well-being should be seen as a priority, and valued by stakeholders. As employers and employees, the role of people in construction must be to strive for the improvement of individual lives and society. This edited collection, which is the first book to focus specifically on placing value on people in construction, focuses on people at work, gender at work, conditions at work, and respect at work. In addition to an editorial overview, the book presents tested and refined empirical work and case studies by leading construction researchers from Africa, Australia, and Europe. Essential reading for researchers, students and professionals interested in construction management, the sociology of construction, HRM in construction, gender, work and health studies.

This volume presents innovative work on innovative methods, tools and practices aimed at supporting the transition of Asian and Middle Eastern cities and regions towards a more smart and sustainable dimension. The role of the built and urban environment are becoming more pronounced in Asia and Middle East as the regions continues to experience rapid increase in population and urbanisation, which have only led to an increase in environmental degradation but also rise in energy consumption and emissions. Individual chapters covers timely topics such as sustainable infrastructure, transportation, renewable energy, water and methods supporting an innovative and sustainable development of urban areas. Real-world examples are presented to highlight recent developments and advancements in design, construction and transportation infrastructures. This volume is part of the proceedings of the 1st GeoMEast International Congress and Exhibition on Sustainable Civil Infrastructures, Egypt 2017.

As an expansion of the book Construction Dispute Research, published in 2014, this book presents further contributions and breaks into three new research foci in construction dispute studies. Part A discusses the conceptualization and minimization of biases in construction dispute decisions; Part B examines other impediments against settlement such as inequity, power asymmetry and loss aversion. Part C focuses on realty check of construction dispute negotiation conditions such as market competition, interdependence of contracting parties and dispute avoidance function of construction incentivization. This book showcases new ideas in construction dispute research. It offers research studies that are theory rich and conducted with robust methodologies. The research implications are practical and implementable. .

This book addresses some of the countless challenges faced by developing countries when adopting sustainable design and

construction and offers suggestions for the way forward for African development projects. The authors argue that the pervasive non-consideration of the interrelationship between the elements of sustainable design and construction is the reason for the current failures in sustainable design and construction in developed countries. By treating sustainability as a complex system, the authors provide the missing link between the design and construction of projects in a sustainable way with a view to improving industry and project performance. In doing so the book posits the need for improved sustainability practice in developing countries, lessons for developing countries from the successes and failures of sustainability adoption by developed nations, factors influencing adoption of sustainability and effects of sustainable designs and construction on productivity, human health and the environment at large. This book will be of interest to construction researchers, practitioners, professional bodies, housing policy makers and government institutions as well as training and funding providers in these areas.

Factors Contribute to Delay in Commerical Building Projects in Klang Valley-contractors, PerceptionDeveloping a QuestionnaireA&C Black

This book gathers the proceedings of the 1st Global Civil Engineering Conference, GCEC 2017, held in Kuala Lumpur, Malaysia, on July 25–28, 2017. It highlights how state-of-the-art techniques and tools in various disciplines of Civil Engineering are being applied to solve real-world problems. The book presents interdisciplinary research, experimental and/or theoretical studies yielding new insights that will advance civil engineering methods. The scope of the book spans the following areas: Structural, Water Resources, Geotechnical, Construction, Transportation Engineering and Geospatial Engineering applications.

Proceedings from the International Conference on Advances in Engineering and Technology (AET2006)

The role of designers has traditionally been to design a building so that it conforms to accepted local building codes. The safety of workers is left up to the contractor building the designs. Research shows, however, that designers can have an especially strong influence on construction safety during the concept, preliminary and detailed design phases. This book establishes the new knowledge and conceptual frameworks necessary to develop a mobile computing-enabled knowledge management system that can help reduce the high rate of construction falls. There are three main objectives of this book: 1. To create a new Prevention through Design (PtD) knowledge base to model the relationships between fall risks and design decisions; 2. To develop a PtD mobile App to assist building designers in fall prevention through design; 3. To evaluate the practical implications of the PtD mobile App for the construction industry, especially for building designers and workers. The cutting edge technologies explored in this book have the potential to significantly reduce the rate of serious injuries that occur in the global construction industry. This is essential reading for researchers and advanced students of construction management with an interest in safety or mobile technologies.

The offsite and modular market is continuing to grow. This book builds on the success of a number of initiatives, including formative findings from literature, research and development and practice-based evidence (success stories). It presents new thinking and direction from leading experts in the fields of: design, process, construction, engineering, manufacturing, logistics, robotics, delivery platforms, business and transformational strategies, change management, legislation, organisational learning, software design, innovation and biomimetics. This book is particularly novel and timely, as it brings together a number of cogent subjects under one collective ‘umbrella’. Each of these chapters contain original findings, all of which culminate in three 'Key Learning Points' which provide new insight into the cross-cutting themes, interrelationships and symbiotic forces that exist between each of these chapters. This approach also provides readers with new contextualised understanding of the wider issues affecting the offsite market, from the need to embrace societal challenges, through to the development of rich value-laden solutions required for creating sector resilience. Content includes a balance between case studies and practice-based work, through to technical topics, theoretical propositions, pioneering research and future offsite opportunities ready for exploitation. This work includes: stakeholder integration, skills acquisition, new business models and processes, circularity and sustainable business strategies, robotics and automation, innovation and change, lean production methodologies and new construction methods, Design for Manufacturing and Assembly, scaled portfolio platforms and customisability, new legal regulatory standards and conformance issues and offsite feasibility scenario development/integration.

Governments around the globe are facing a new framework of service delivery as public-private partnerships become more prevalent. Characterized as an innovative tool for change, this area of socio-economic development is transforming the world economy. Risk Management Strategies in Public-Private Partnerships is an essential reference source for the latest scholarly research on recent developments on the relationships between public agencies and private sectors, and frameworks for effectively managing risk factors. Featuring extensive coverage on a wide variety of topics and perspectives such as service delivery, sustainability, and contractual design, this publication is ideally designed for policy makers, students, and professionals seeking current research on ways to manage problems and challenges in contractual partnerships.

Hong Kong had a very bad record in construction safety in the 1980s and before. Since the early 1990s, a number of statutory regulations have been enforced in order to improve safety in Hong Kong's construction industry. The results of these efforts can gradually be seen, and this is evidenced by the significant drop in construction accidents in recent years. This book is important in keeping construction professionals informed about Hong Kong's experience in construction safety. It begins with an overview of safety management systems generally adopted in the Asian context with the support of construction accident statistics from a number of countries or cities. Other topics include factors which influence site safety programmes, construction safety management systems, safety legislation, safety auditing, the procedure of accident investigation, the Hong Kong government's mandatory SSPS (Site Supervision Plan System) that all contractors and authorized persons/registered structural engineers have to follow, and construction safety economics.