

Simultaneous Management

Managing Projects
in a
Dynamic Environment

With a Foreword by Sam E. Mitroff, Harold G. Olin Distinguished Professor of Business Policy,
Director, Center for Global Management, University of Southern California

Alexander Laufer

Simultaneous Management Managing Projects In A Dynamic Environment

Wenbin Ji



Simultaneous Management Managing Projects In A Dynamic Environment:

Simultaneous Management Alexander Laufer, 1997 Simultaneous Management blends classic project management theory with the experiences of successful practitioners in our real world This revolutionary but highly practical book provides today's project managers with the tools and the confidence to deal with the conflicting demands and uncertainties that so often arise to undermine the most well thought out plan Written in plain English Simultaneous Management is perfect managers who need to operate in the real world as well as faculty and students in a classroom You'll learn the 9 commonsense principles of project management systematic and integrative planning timely decisions adjusted to uncertainty isolation and absorption inward and outward leadership teamwork overlapping of phases simple procedures intensive communication and systematic monitoring Many project management texts are great when it comes to theory but few succeed in converting industry experience into academic philosophy and principles the way Simultaneous Management does The author shares dozens of case studies that illustrate key guiding principles and how to apply them under the harsh glare of everyday project experience He also provides a range of easy to use tools such as the Decision Matrix and the Critical Assumptions Matrix and clear instructions on implementing them when turbulence strikes your next project *Handbook for Construction Planning and Scheduling* Andrew Baldwin, David Bordoli, 2014-06-23 The authoritative industry guide on good practice for planning and scheduling in construction This handbook acts as a guide to good practice a text to accompany learning and a reference document for those needing information on background best practice and methods for practical application A Handbook for Construction Planning Planning and Scheduling Techniques and Practices Planning and Scheduling Methods Delay and Forensic Analysis The authors include both basic concepts and updates on current topics demanding close attention from the construction industry including planning for sustainability waste health and safety and Building Information Modelling BIM The book is especially useful for early career practitioners engineers quantity surveyors construction managers project managers who may already have a basic grounding in civil engineering building and general construction but lack extensive planning and scheduling experience Students will find the website helpful with worked examples of the methods and calculations for typical construction projects plus other directed learning material This authoritative industry guide on good practice for planning and scheduling in construction is written in a direct informative style with a clear presentation enabling easy access of the relevant information with a companion website providing additional resources and learning support material the authoritative industry guide on construction planning and scheduling direct informative writing style and clear presentation enables easy access of the relevant information companion website provides additional learning material

Project Portfolios in Dynamic Environments Brian Hobbs, Yvan Petit, PMP, 2012-05-01 Project Portfolios in Dynamic Environments Organizing for Uncertainty is a comprehensive report of research that addresses this important rising issue Authors Yvan Petit and Brian Hobbs present the results of their investigation in a report that significantly advances the

theory and also offers tips for practice Currently those applying project portfolio management tend to focus on the selection prioritization and strategic alignment of projects Little attention is afforded the potential disturbances to project portfolios such as new projects terminated projects delayed projects incorrect planning due to high uncertainty and changes in the external environment Yet these factors can have highly disruptive even show stopping influence This research seeks to answer How is uncertainty affecting project portfolios managed in dynamic environments

Mastering the Leadership Role in Project Management Alexander Laufer, 2012-04-23 In this book project management expert Dr Alexander Laufer leads an all star team of practitioners and thought leaders in presenting a powerful project leadership framework Laufer s framework addresses the toughest challenges of new product development large complex projects composed of many diverse geographically distributed and highly interdependent components organizational change and repeated and risky tasks Laufer reveals core leadership principles that are crucial to successful project leadership in dynamic and complex environments regardless of industry project goals or stakeholders Then together with his contributors he presents eight chapter length case studies covering exceptionally challenging projects in a wide spectrum of industries and products from developing missiles to reorganizing companies building spacecraft and dairy plants to flying solar powered airplanes Readers will discover new ways to unleash the power of autonomy and learning adapt to change on a timely basis give up control without losing control use face to face interaction to maximize alignment manage no fun missions in hostile environments deliver on bold ideas through sheer preparation learn from practice and unlearn lessons that need to be unlearned Mastering the Leadership Role in Project Management will be invaluable to executives project leaders and aspiring project leaders in all organizations regardless of their project goals backgrounds or experience

Becoming a Project Leader Alexander Laufer, Terry Little, Jeffrey Russell, Bruce Maas, 2017-12-05 This book blends academic rigor and real world experience on the agile and planning schools of project management and the process of becoming a project leader To some project management is all about logically and rationally planning out dependencies and mapping them out into a flawless plan a plan that must be rigorously and undeviatingly followed in all its geometric perfection To others it is about agility 15 minute scrum meetings and responding on the fly to the unpredictable exigencies that the randomness of the living breathing world throws up In reality smart project leaders do both They understand that you can t deliver a project if you make an either or choice between these approaches you must do both and These managers strive for stability and flexibility they use formal and informal processes and they function as managers and leaders In Becoming A Project Leader the authors have applied their blend of intellectual rigor and hard nosed practical experience to identify four concrete roles employed by successful project managers The first three roles planning agility and resilience focus on coping with changes with each role relating to a different kind of change These three roles which complement each other can be implemented effectively only when they are supported by the fourth role collaboration Becoming an expert at understanding and delivering that blend requires constant

reflection and interaction with peers all part of the process of becoming a project leader Based on years of experience research and thinking and refined through 20 in depth interviews with practicing project managers and senior executives Becoming A Project Leader delivers the solution to all those blown budgets shot schedules and disappointing deliverables

Integrated Practice in Architecture George Elvin,2007-03-09 Endorsed by The American Institute of Architects this work is about integrated practice in architecture which is the collaborative design construction and life cycle management of buildings

Breaking the Code of Project Management A. Laufer,2016-04-30 This new classic is an examination of how to refigure project management to be more efficient and effective particularly in terms of leadership Using a case study approach the author Alex Laufer presents a specific set of guidelines on how to improve the team approach to any project be it a new airline jet or an IT project

Project Management Joan Knutson,Ira Bitz,1991 This is the essential guide for anyone involved in project management both managers new to its concepts and established professionals

Managing Amidst Rapid Change Simon Collyer,2015-05-01 The ability to deliver value in dynamic environments has become an essential skill for today s project managers given the ever increasing rates of change driven by deregulation the information age and globalization Managing Amidst Rapid Change responds to this new reality with specific management techniques that refine the theory of how best to handle projects significantly challenged by dynamism

Napoleon on Project Management Jerry Manas,2008-10-12 What is it about Napoleon Bonaparte that has led recognized leaders such as General George S Patton to study his principles and inspired countless books on management and leadership to quote his maxims Napoleon on Project Management explores the key principles behind this great historic leader s successes to provide project managers the recipe for managing commitments and propelling their teams to victory You ll learn how to leverage timeless wisdom to improve your project performance prepare your team for battle through superior communication skills apply Napoleon level research record keeping and organization methods to each of your projects and gain an upper hand by understanding and leveraging the complex and essential dynamic between project management and strategic leadership Who says history shouldn t repeat itself By exploring the leadership strategies that stand the test of time and learning how to avoid the triggers that ultimately lead to Napoleon s downfall you ll learn how to strengthen and reinvigorate your modern day project management practices conquer every challenge and help your organization grow and thrive

Effective Project Management Robert K. Wysocki,Rudd McGary,2003-07-25 An updated edition of the bestselling book on managing IT projects New topics introduced in this edition include Adaptive and eXtreme management methods team selection and management and risk analysis Immerses readers in a simulated real world situation where they must perform as seasoned project managers to move example projects through their lifecycles Walks readers through a series of projects that they are most likely to encounter on the job Authors adhere to the Project Management Institute s PMI curriculum outline The fully interactive CD ROM has been updated for MS Project 2002 PMI PMP and Project Management Professional are registered

marks of the Project Management Institute Inc **Concurrent Engineering in Construction Projects** Chimay Anumba, John M. Kamara, Anne-Francoise Cutting-Decelle, 2006-09-27 Concurrent Engineering CE is a systematic approach to the integrated and concurrent design of products and related processes which offers considerable potential for increasing efficiency and effectiveness by considering all the elements of a building or structure over its life cycle and including issues of quality cost schedule and user requirements This book presents latest research on the implementation of Concurrent Engineering in construction projects **Info-Gap Decision Theory** Yakov Ben-Haim, 2006-10-11 Everyone makes decisions but not everyone is a decision analyst A decision analyst uses quantitative models and computational methods to formulate decision algorithms assess decision performance identify and evaluate options determine trade offs and risks evaluate strategies for investigation and so on Info Gap Decision Theory is written for decision analysts The term decision analyst covers an extremely broad range of practitioners Virtually all engineers involved in design of buildings machines processes etc or analysis of safety reliability feasibility etc are decision analysts usually without calling themselves by this name In addition to engineers decision analysts work in planning offices for public agencies in project management consultancies they are engaged in manufacturing process planning and control in financial planning and economic analysis in decision support for medical or technological diagnosis and so on and on Decision analysts provide quantitative support for the decision making process in all areas where systematic decisions are made This second edition entails changes of several sorts First info gap theory has found application in several new areas especially biological conservation economic policy formulation preparedness against terrorism and medical decision making Pertinent new examples have been included Second the combination of info gap analysis with probabilistic decision algorithms has found wide application Consequently hybrid models of uncertainty which were treated exclusively in a separate chapter in the previous edition now appear throughout the book as well as in a separate chapter Finally info gap explanations of robust satisficing behavior and especially the Ellsberg and Allais paradoxes are discussed in a new chapter together with a theorem indicating when robust satisficing will have greater probability of success than direct optimizing with uncertain models New theory developed systematically Many examples from diverse disciplines Realistic representation of severe uncertainty Multi faceted approach to risk Quantitative model based decision theory *Essential Scrum* Kenneth S. Rubin, 2012-07-20 A Practical Guide to the Most Popular Agile Process The Single Source Comprehensive Guide to Scrum for All Team Members Managers and Executives If you want to use Scrum to develop innovative products and services that delight your customers *Essential Scrum* is the complete single source reference you've been searching for Leading Scrum coach and trainer Kenny Rubin illuminates the values principles and practices of Scrum and describes flexible proven approaches that can help you implement it far more effectively Whether you are new to Scrum or years into your use this book will introduce clarify and deepen your Scrum knowledge at the team product and portfolio levels Drawing from Rubin's experience helping hundreds of organizations

succeed with Scrum this book provides easy to digest descriptions enhanced by more than two hundred illustrations based on an entirely new visual icon language for describing Scrum's roles artifacts and activities Essential Scrum will provide every team member manager and executive with a common understanding of Scrum a shared vocabulary they can use in applying it and practical knowledge for deriving maximum value from it

Academy of Management Journal Academy of Management, 2002 Focus on management theory and practice

Optimum, 1997

The Handbook of Technology and Innovation Management Scott Shane, 2009-07-07 This timely handbook represents the latest thinking in the field of technology and innovation management with an up to date overview of the key developments in the field The editor provides with a critical introductory essay that establishes the theoretical framework for studying technology and innovation management The book will include 15-20 original essays by leading authors chosen for their key contribution to the field These chapters chart the important debates and theoretical issues under 3 or 4 thematic headings The handbook concludes with an essay by the Editor highlighting the emergent issues for research The book is targeted as a handbook for academics as well as a text for graduate courses in technology and innovation management

Managing Multiple Projects Lowell Dye, 2002-06-04 Details time efficient and cost effective strategies to evaluate select prioritize plan and manage multiple projects Presents proven methods and practical applications for the development of successful project portfolios and prosperous multiproject environments Provides useful models and scheduling frameworks for increased quality and productivity

A Process Model for Integrated Design and Construction George Andrew Elvin, 1998

Value Management of Construction Projects John Kelly, Steven Male, Drummond Graham, 2014-11-17 VALUE MANAGEMENT OF CONSTRUCTION PROJECTS Second Edition Value Management is a philosophy set of principles and structured management methodology for improving organisational decision making and value for money It is well established in the international construction industry and has been endorsed as good practice in a range of UK government sponsored reports The authors have addressed the practical opportunities and difficulties of Value Management by synthesising background international developments and benchmarking with their own extensive consultancy and action research experience in Value Management to provide a comprehensive package of theory and practice Covering methods and practices frameworks of value and the future of value management this thoroughly updated second edition extends the integrated value philosophy methodology and tool kit to describe the application of Value Management to service delivery asset management and programmes in addition to projects products and processes In particular the new edition responds to A range of recent UK industry and government publications and most notably BS EN 16271 2012 Value management Functional expression of the need and functional performance specification the imminent update of BS EN 12973 2000 Value Management BS EN 1325 Value Management Vocabulary Terms and Definitions the changes to Value for Europe governing the training and certification of Value Management in European Union countries the UK Government's Management of Value MoV initiative

and other leading reports international guidance and relevant standards Changes in Value Management practice particularly in programmes and projects Developments in the theory of value principally value for money measures whole life value option appraisal and benefits realisation Initiatives in asset management covering the management of physical infrastructure for example the suite of three standards under the generic title of BS ISO 55000 2014 Asset Management and its predecessor BSI PAS55 2008 Asset Management Specification for the Optimized Management of Physical Assets It contains a dedicated chapter of exemplar case studies which demonstrate the new areas of theory and practice and an extensive set of tools and techniques of use in Value Management practice Public and private construction clients and construction professionals such as cost consultants quantity surveyors architects asset managers engineers and project managers will all find Value Management of Construction Projects essential reading It will also be of interest to researchers and students on construction related courses particularly those at final year undergraduate and at Masters level

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web lain hal pada putaran rendah motor listrik bisa menghasilkan torsi besar dan bekerja dengan efisiensi tinggi karena itulah mobil hybrid menggunakan listrik untuk memutar motor listrik yang disimpan di baterai untuk menjalankan pada saat

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web torsi pada motor dapat ditentukan dengan rumus umum yaitu t_p atau $t_p \times 2$ n 60 t torsi motor n m p daya motor w att n jumlah putaran motor rp m terdapat 3 macam daya yaitu daya celah udara p12 daya rotor p2 dan daya keluaran po oleh karena itu torsi pada motor induksi 3 fasa dibedakan menjadi torsi

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web rumus di atas digunakan untuk mencari daya input suatu motor listrik sedangkan daya output motor listrik dapat dicari dengan menggunakan rumus yaitu $p_{out} = 0.1047 \times n \times m \times watt$ 2 dimana p_{out} daya output motor watt n kecepatan rpm m torsi n m

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web dan menariknya kita juga dapat memperhitungkan putaran rotor per menit rpm pada sebuah dinamo motor listrik dengan menggunakan rumus berikut ini rpm $f \times 120 p$ keterangan

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web dalam dunia industri yang menggunakan motor motor listrik umumnya menggunakan motor induksi inverter berfungsi untuk mengatur kecepatan motor tersebut kecepatannya motor induksi ditentukan oleh frekuensi tegangan dan jumlah kutub motor seperti yang dijelaskan dalam rumus menghitung putaran motor atau rpm $n = 120 f p$ dimana n

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web motor listrik adalah suatu alat yang dapat mengubah energi listrik menjadi tenaga gerak putar dan hal ini tentunya dipengaruhi oleh 3 faktor yaitu daya listrik yang digunakan berapa kecepatannya putaran yang dihasilkan dan berapa besar tenaganya torsi rumus menghitung rpm motor listrik

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