

## Case Study Manufacturing Automotive Supplier

Global production and purchasing operations create a platform for entry into new markets. However, it takes considerable effort to plan and implement a sustainable globalization strategy; this book will help in that task. The wealth of experience and analysis featured in this book is the result of an extensive survey among leading manufacturing companies as well as countless discussions with executives who have personally wrestled with the issues of "going global." The book treats the whole range of management challenges. In breadth and depth, the insights it offers surpass what a manager or most individual companies could acquire on their own. This book analyzes environmental supply chain management theory and practice, with contributions by a international experts. Coverage includes concepts and principles of green supply chain management; studies of practices and concerns in industries worldwide; tools for environmental supply chain design and development; and case studies of green supply chain practices. Professionals, policy makers, researchers and students will value this book for the insights it provides into a topic of growing concern. The two volumes IFIP AICT 397 and 398 constitute the thoroughly refereed post-conference proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2012, held in Rhodes, Greece, in September 2012. The 182 revised full papers were carefully reviewed and selected for inclusion in the two volumes. They are organized in 6 parts: sustainability; design, manufacturing and production management; human factors, learning and innovation; ICT and emerging technologies in production management; product and asset lifecycle management; and services, supply chains and operations. Presents research and thinking on agile information systems. This book brings together academic experts, researchers, and practitioners to discuss how companies can create and deploy agile information systems. This book presents cutting-edge research and thinking on agile information systems. The concept of agile information systems has gained strength over the last 3 years, coming into the MIS world from manufacturing, where agile manufacturing systems has been an important concept for several years now. The idea of agility is powerful: with competition so fierce today and the speed of business so fast, a company's ability to move with their customers and support constant changing business needs is more important than ever. Agile information systems: have the ability to add, remove, modify, or extend functionalities with minimal penalties in terms of time, cost, and effort have the ability to process information in a flexible manner have the ability to accommodate and adjust to the changing needs of the end-users. This is the first book to bring together academic experts, researchers, and practitioners to discuss how companies can create and deploy agile information systems. Contributors are well-regarded academics known to be on the cutting-edge of their fields

Strategies for Small Manufacturers  
Digital Business  
IFIP WG 5.7 International Conference, APMS 2012, Rhodes, Greece, September 24-26, 2012, Revised Selected Papers, Part II  
Proceedings of the International Conference of the Manufacturing Value-Chain August '98, Troon, Scotland, UK  
More Transformed Firms Case Studies  
Proceedings of the International Symposium for Production Research 2019  
Lean and Technology

Teaches basic and advanced modeling and simulation techniques to both undergraduate and postgraduate students and serves as a practical guide and manual for professionals learning how to build simulation models using WITNESS, a free-standing software package. This book simulation and demonstrates how to build simulation models with WITNESS. The book begins with an explanation of the concepts of simulation modeling and a "guided tour" of the WITNESS modeling environment. Next, the authors cover the basics of building simulation models using modeling of material-handling systems. After taking a brief tour in basic probability and statistics, simulation model input analysis is then examined in detail, including the importance and techniques of fitting closed-form distributions to observed data. Next, the authors present simulation including determining run controls and statistical analysis of simulation outputs and show how to use these techniques and others to undertake simulation model verification and validation. Effective techniques for managing a simulation project are analyzed, and case studies exist in manufacturing and services are covered. Simulation-based optimization methods and the use of simulation to build and enhance lean systems are then discussed. Finally, the authors examine the interrelationships and synergy between simulation and Six Sigma. Emphasizes real-time simulation modeling in both services and manufacturing sectors Discusses the role of simulation in Six Sigma projects and Lean Systems Contains examples in each chapter on the methods and concepts presented Process Simulation Using WITNESS is a resource for students, researchers, management consultants, and simulation trainers.

This open access book provides a glimpse into the Japanese management technique known as "Kaizen," and the ways it has been disseminated around the developing world. The novelty of this book is three-fold: it provides a contextualized view of the mechanisms of initiatives in developing countries; compared with productivity studies, it places the relationship between workers and managers at the center of inquiry, reflecting the intent of SDG8 concerning decent work and economic growth; and it provides an overview of the heterogeneity of Kaizen in size. This book explores how improving management techniques can support firms' productivity and quality. Given its wide range of case studies from across Africa, Asia and Latin America, this book will be of value to scholars, policymakers and advocates of sustainable development. The managed flow of goods and information from raw material to final sale also known as a "supply chain" affects everything--from the U.S. gross domestic product to where you can buy your jeans. The nature of a company's supply chain has a significant effect on its success. Computer's make-to-order system and the failure of General Motor's vertical integration during the 1998 United Auto Workers strike. Supply Chain Integration looks at this crucial component of business at a time when product design, manufacture, and delivery are changing rapidly. It explores the benefits of continuously improving the relationship between the firm, its suppliers, and its customers to ensure the highest added value. This book identifies the state-of-the-art developments that contribute to the success of vertical tiers of suppliers and relates them to that small and medium-sized manufacturers must have to be viable participants in this system. Strategies for attaining these capabilities through manufacturing extension centers and other technical assistance providers at the national, state, and local level are suggested. This book and medium-sized manufacturers--the "seed corn" of business start-up and development--to improve supply chain management. The book examines supply chain models from consultant firms, universities, manufacturers, and associations. Topics include the roles of suppliers and manufacturers, the rise of outsourcing, the importance of information management, the natural tension between buyer and seller, sources of assistance to small and medium-sized firms, and a host of other issues. Supply Chain Integration will be of interest to industry policymakers, business leaders, and forward-thinking executives.

The main goal of this book is to provide a state of the art of hybrid metaheuristics. The book provides a complete background that enables readers to design and implement hybrid metaheuristics to solve complex optimization problems (continuous/discrete, mono-objective/multi-objective, uncertainty) in a diverse range of application domains. Readers learn to solve large scale problems quickly and efficiently combining metaheuristics with complementary metaheuristics, mathematical programming, constraint programming and machine learning. Numerous real-world solutions demonstrate how hybrid metaheuristics are applied in such fields as networks, logistics and transportation, bio-medical, engineering design, scheduling.

Design and Operation of Production Systems

Understanding the Lean Enterprise

Agile Information Systems

Implementation of Process Modeling and Simulation Using IDEFO in Malaysian Automotive Industry

Issues in Technology Theory, Research, and Application: 2013 Edition

Analysis of Resilience Capabilities of Readiness, Response and Recovery - A Case Study of Riken Corp.

**The rapid development in the automotive sector and competition across the globe demands efficient manufacturing processes and systems, quality tools, process modeling techniques, etc. Process modeling and simulation (PMS) is one of the most important tasks which is commonly outsourced by the majority of Malaysian automotive supplier industries. The PMS services rendered by the external companies have several drawbacks such as poor conceptualization of the manufacturing process, miscommunication, high costs, etc. This research attempts to propose an efficient and uncomplicated PMS technique which can be used in-house. One of the main objectives of the research is to model and simulate manufacturing process in an automotive industry and analyze the system performance based on the new technique. A new approach has been adapted with the use of IDEFO in iGrafx® Process for Six Sigma which includes an integrated feature, RapidDOE with MiniTab. Two major automotive industries in Malaysia (Case study A and Case study B) have been demonstrated successfully. The data from industries has been collected and translated into AS-IS static and dynamic models in iGrafx® Process for Six Sigma. The IDEFO represent the AS-IS static model while the simulation model represent AS-IS dynamic model. By this the 'AS-IS' model was achieved without becoming too complex to a good degree of similarity at a discrepancy level of 2.8% for the case A and 0% to case study B. The interpretation of the generated statistical results has been used to improve the model using RapiDOE. The result from the statistical analysis provided a basis for the recommendation of the 'TO-BE' model. This scenario has been verified and recommended as a process modeling and simulation (PMS) template for the plant managers of the respective case studies as it has been proven to identify process system characteristic. It appears that this realistic investigation is the first in Malaysian automotive industries. As such, PMS techniques cannot be implemented due to several barriers in-house. Therefore current research has developed a novel framework to facilitate the implementation of PMS technique in Malaysian automotive industries. The framework is segmented into four major stages and the role in each stage has been simplified with recommendation of various methods and suggestions. The critical factors that govern the implementation PMS technique in Malaysian automotive industries were identified and analyzed using IDEFO technique.**

**Production development is about improving existing production systems and developing new ones. The production system should be developed in integration with the product, as a part of the overall product realization process, and not in sequence after the product has already been designed. Production Development: Design and Operation of Production Systems takes a holistic viewpoint on the production system and its design process during the whole system life cycle. A working procedure demonstrating how to design and realize the production system is presented, together with a number of related production development aspects. Production Development: Design and Operation of Production Systems is illustrated with a large number of figures and industrial examples. The book can be used as a reference for teachers and students, or as a manual for professionals within the field of production.**

eBook: Manufacturing Planning and Control

**In the 2010s, new technological and business trends threaten, or promise, to disrupt multiple industries to such a degree that we might be moving into a new and fourth industrial revolution. The background and content of these new developments are laid out in the book from a holistic perspective. Based on an outline of the nature and developments of the market economy, business, global business industries and IT, the new technological and business trends are thoroughly dealt with, including issues such as internet, mobile, cloud, big data, internet of things, 3D-printing, the sharing economy, social media, gamification, and the way they transform industries and businesses**

Conceptualization, Construction, and Management

Drivers and Sources of Supply Flexibility

Digital Economics

Integrating Design and Manufacturing for Competitive Advantage

Hybrid Metaheuristics

Quick Die Change

Leveraging Technology for a Sustainable World

In the increasingly competitive corporate sector, businesses must examine their current practices to ensure business success. By examining their social, financial, and environmental risks, obligations, and opportunities, businesses can re-design their operations more effectively to ensure prosperity. Sustainable Business: Concepts, Methodologies, Tools, and Applications is a vital reference source that explores the best practices that promote business sustainability, including examining how economic, social, and environmental aspects are related to each other in the company's management and performance. Highlighting a range of topics such as lean manufacturing, sustainable business model innovation, and ethical consumerism, this multi-volume book is ideally designed for entrepreneurs, business executives, business professionals, managers, and academics seeking current research on sustainable business practices.

The 19th CIRP Conference on Life Cycle Engineering continues a strong tradition of scientific meetings in the areas of sustainability and engineering within the community of the International Academy for Production Engineering (CIRP). The focus of the conference is to review and discuss the current developments, technology improvements, and future research directions that will allow engineers to help create green businesses and industries that are both socially responsible and economically successful. The symposium covers a variety of relevant topics within life cycle engineering including Businesses and Organizations, Case Studies, End of Life Management, Life Cycle Design, Machine Tool Technologies for Sustainability, Manufacturing Processes, Manufacturing Systems, Methods and Tools for Sustainability, Social Sustainability, and Supply Chain Management.

Purpose - There has been much research on manufacturing flexibility, but supply chain flexibility is still an under-investigated area. This paper focuses on supply flexibility, the aspects of flexibility related to the upstream supply chain. Our purpose is to investigate why and how firms increase supply flexibility. Methodology/Approach - An exploratory multiple case study was conducted. We analyzed seven Spanish manufacturers from different sectors (automotive, apparel, electronics and electrical equipment). Findings - The results show that there are some major reasons why firms need supply flexibility (manufacturing schedule fluctuations, JIT purchasing, manufacturing slack capacity, low level of parts commonality, demand volatility, demand seasonality and forecast accuracy), and that companies increase this type of flexibility by implementing two main strategies: "to increase suppliers' responsiveness capability" and "to increase flexible sourcing". The results also suggest that the supply flexibility strategy selected depends on two factors: the supplier searching and switching costs and the type of uncertainty (mix, volume or delivery). Research limitations - This paper has some limitations common to all case studies, such as the subjectivity of the analysis, and the questionable generalizability of results (since the sample of firms is not statistically significant). Implications - Our study contributes to the existing literature by empirically investigating which are the main reasons for companies needing to increase supply flexibility, how they increase this flexibility, and suggesting some factors that could influence the selection of a particular supply flexibility strategy.

Although most supply chains have changed dramatically over the years, the dynamic aspects of supply chains, such as changes in the suppliers, factory and storage locations, production processes, and distribution structures, are rarely studied and considered. Further study on the evolution of supply chains is crucial in order to ensure they are working as efficiently as possible. Frameworks and Cases on Evolutional Supply Chain considers the dynamic aspects of the supply chain and provides frameworks of the evolutional supply chain through symbolic case studies. Covering a range of topics such as industrial clusters, food loss, and the global supply chain, this reference work is ideal for industry professionals, researchers, practitioners, scholars, academicians, policymakers, business owners, government officials, instructors, and students.

Supply Chain Configuration

Manufacturing Applications

The Action Research Reader

Automotive Production Systems and Standardisation

Technology, Applications, and Security Challenges

Process Simulation Using WITNESS

Global Production

**RFID and the Internet of Things shows how RFID has transformed the supply chain over the last decade and examines the manufacturing, logistics and retail aspects of RFID. This monograph considers the related cost/benefit of RFID in these business environments. The authors describe a vision of an "Internet of Things", where each participating object has a digital shadow with related information stored in cyberspace. RFID and the Internet of Things introduces the reader to the relevant hardware and software as well as to standards and architectures. It then present several case studies and uses cases showing how RFID can be used in manufacturing and retail with a focus on intra-enterprise applications and local benefits. The authors move further down the supply chain, discussing RFID applications in logistics and the perspectives for an Internet of Things. This is followed by a discussion of cost/benefit analyses of RFID implementations. The volume discusses possible security and privacy risks of RFID and presents several architecture proposals for a less centralized Internet of Things. The authors conclude with a summary and outlook.**

**This book is written for practitioners and researchers who are currently working in the field of supply chain management and operations management. It provides a thorough explanation of the supply chain configuration problem as well as offers solutions that combine the mathematical aspects of problem solving with applications in modern information technology.**

**Supply Chain Resilience Management: Is the Japanese Automotive Supply Chain resilient enough?Analysis of Resilience Capabilities of Readiness, Response and Recovery - A Case Study of Riken Corp.GRIN Verlag**

**This book covers the scope of supply chain and logistics, which has continued to grow with a rapid speed. The book includes core aspects of supply chain and logistics philosophy and practice. The authors then cover the general principles of supply chain and logistics that can be applied in countries throughout the world. Where concepts cannot be generalized, they are based primarily on a European model. The authors have also added some international material and examples from China, Pakistan, India, and the USA. The book is intended to help in the quest of supply chain and logistics to reduce cost and improve service, as well as to keep up-to-date the different facets of supply chain and logistics in a global market. In addition, this book helps candidates to who are undertaking examinations for universities and professional institutes, and bachelor and master students who are studying for degrees in supply chain management. In addition, the book covers technical terminologies, definitions, and a supply chain dictionary.**

Workers, Managers, Productivity

Frameworks and Cases on Evolutional Supply Chain

in The Digital Age

Issues and Principles

Value Stream Management

Strategic Supply Chain Management

Strategic Management of the Manufacturing Value Chain

Originally presented as the author's doctoral dissertation at Technische Universiteit Delft on November 25, 2011.

In January 2000, Mercedes-Benz started to implement the Mercedes-Benz Production System (MPS) throughout its world-wide passenger car plants. This event is exemplary of a trend within the automotive industry: the creation and introduction of company-specific standardised production systems. It gradually emerged with the introduction of the Chrysler Operating System (COS) in the mid-1990s and represents a distinct step in the process towards implementing the universal principles of lean thinking as propagated by the MIT-study. For the academic field of industrial sociology and labour policy, the emergence of this trend seems to mark a new stage in the evolution of the debate about production systems in the automotive industry (Jürgens 2002:2), particularly as it seems to undermine the stand of the critics of the one-best way model (Boyer and Freyssenet 1995). The introduction of company-level standardised production systems marks the starting point of the present study. At the core of it is a case study about the Mercedes-Benz Production System (MPS).

Issues in Technology Theory, Research, and Application: 2013 Edition is a ScholarlyEditions™ book that delivers timely, authoritative, and comprehensive information about Ocean Technology.

The editors have built Issues in Technology Theory, Research, and Application: 2013 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Ocean Technology in this book to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Issues in Technology Theory, Research, and Application: 2013 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

This publication is in collaboration with the University of Buckingham and is the result of a combined research and review process carried out by the three Editors who belongs to the

University of Ferrara, Italy, the University of Buckingham, UK and Swansea University, UK. The book deepens the debate about the lean enterprise from both an academic and a professional management perspective. It thus provides the reader with a sound understanding of the modern lean enterprise and its current evolution. A range of innovative topics are covered, with individual chapters addressing the combinations of lean with hoshin kanri, green management, IT, organizational learning, flow accounting, system thinking, problem solving, internationalization aspects, luxury industry, and product innovation. Since the term "lean" first entered contemporary operations management language in 1990 to describe a set of practices proven to deliver superior performance over mass production systems, the lean approach to waste reduction and value generation has moved from vehicle production to other manufacturing sectors. It has reshaped the support functions of manufacturing businesses and has evolved from private industry into the public sector. Lean thinking is now a dominant model of operations management and has brought with it a new language and toolbox.

From Ford to the Case of Mercedes-Benz

eBook: Manufacturing Planning and Control

Surviving Supply Chain Integration

Kaizen in Developing Countries

Supply Chain Resilience Management: Is the Japanese Automotive Supply Chain resilient enough?

RFID and the Internet of Things

Applied International Corporate Finance

*This book focuses on the application of workstudy in productivity of manufacturing SMEs locally and abroad and also explores various industrial problems which face manufacturing SMEs in developing and underdeveloped countries in the rest of the world. Low productivity is currently a serious challenge facing manufacturing SMEs, where these SMEs are operating below expected production output levels which makes it difficult for them to compete in the global market. SMEs are the engine drivers of economic growth, one of which is manufacturing. The challenge is that government from various countries in developing and underdeveloped countries, mandated agencies in their respective areas, to ensure that there is economic progress for these SMEs, but productivity remains low in the manufacturing SMEs. When SMEs do not perform well, productivity of manufacturing SMEs declines and unemployment increases. Thus, an increase in unemployment results in a drop of GDP in the country and can become a global and economic crisis. This book describes a process which enables the reader to use effective knowledge that addresses problems facing the productivity of manufacturing SMEs such as work study tools and case studies and provides solutions and applications to improve the running of the manufacturing SMEs in growing their productivity.*

*This book discusses the conference that forms a unique platform to bring together academicians and practitioners from industrial engineering and management engineering as well as from other disciplines working on production function applying the tools of operational research and production/operational management. Topics treated include: computer-aided manufacturing, Industry 4.0, big data and analytics, flexible manufacturing systems, fuzzy logic, industrial applications, information technologies in production management, optimization, production economy, production planning and control, productivity and performance management, project management, quality management, risk analysis and management, and supply chain management*

*Quick die change is a complex process that is vital to the modern press shop and essential for maintaining product uniformity, quality and profitability. This book, written by industry press and die expert, David Smith, is filled with engineering know-how, sound management principles, and the history and theory behind quick die change. The book is an excellent reference tool for advanced die setters, engineering managers, production managers, manufacturing engineers, and anyone interested in improving die setting and changing operations.*

*Seminar paper from the year 2010 in the subject Business economics - Supply, Production, Logistics, grade: Distinction, University of Manchester (Manchester Business School), language: English, abstract: Since 1980's the Japanese car manufacturing industry has been celebrated as the most efficient car industry in the world regarding production systems and processes.*

*However, on 16 July 2007 this efficiency of the entire Japanese automotive industry was challenged when an earthquake hit the Chuetsu region in Japan and decimated a small but critical portion of its supply chain. Riken Corp., a supplier of automobile engine components such as piston rings, was this critical sup-ply chain bit. Its failure to operate after the event caused a chain reaction of plant closures of the main eight Japanese car manufacturers and parallelised nearly 70 per cent of the world biggest auto production industry. The underlying qualitative study adopts some conceptual supply chain resilience management models available in the academic literature as theoretical lenses to analyze the Riken Corp. case. The main argument of this research paper is that while the Japanese automotive supply chain is capable of delivering an efficient and effective response to and recovery from an interruption, it, however, lacks the capability of event readiness, which is the active resilience preparation for a supply chain disruption.*

*Advances in Production Management Systems. Competitive Manufacturing for Innovative Products and Services*

*Eight Steps to Planning, Mapping, and Sustaining Lean Improvements*

*Proceedings of the 19th CIRP Conference on Life Cycle Engineering, University of California at Berkeley, Berkeley, USA, May 23 - 25, 2012*

*Automotive Supplier 99*

*Working Hand in Hand to Enable and Energize Your Global Supply Chain*

*Application of Work Study*

*Sustainable Business: Concepts, Methodologies, Tools, and Applications*

Today the Scottish electronics industry employs 40,000 people directly and a further 30,000 in the supply infrastructure. There are now more than 550 electronic manufacturing and supplier companies in 'Silicon Glen'. In terms of the contribution to the economy, electronics is by far the most valuable industry. Its value in 1996 was approximately £ 10billion and accounted for more than half of Scotland's exports. The major product groupings within the industry include: • PCs, laptops and workstations • Disk drives, cable harnessing • Printers, keyboards and peripherals • Semiconductor devices and PCBs • TV, VCRs, CDs, stereos and other consumer electronics • Cellular phones and telecommunications products • A TMs and funds transfer systems • Networking and security systems • Navigation and sonar systems • Microwave products • Power supplies • Software and compilers Many of these companies are multi-national OEMs, who came to Scotland as inward investing companies. Early inward investing companies were from USA, followed by companies from Japan, and more recently from Taiwan and Korea. An important segment of the industry is involved in the manufacture of computers, including IBM, Compaq, Digital and Sun. In fact approximately 40% of the PCs sold in Europe are built in Scotland. With five of the world's top eight computer manufacturers locating a manufacturing base in Scotland there has been an attraction for foreign companies keen to provide service for these multinationals. In 1995/96 the supply base output was worth £1.

Aim of this dissertation is to provide organizations with a model and an application approach to configure their knowledge intensive processes with the functionalities offered by collaborative technologies. The model is structured into three segments: -

attributes of knowledge intensive processes - functionalities of collaborative technologies - configurations of knowledge intensive processes and collaborative technologies The model is validated within three industrial case studies.

The Office of Technology Assessment, at the request of the Congress, has conducted a series of assessments of the Nation's ability to provide for its future national security technology and industrial needs. In the most recent report, Assessing the potential for Civil- Military Integration, OTA examined the potential for making greater use of common technologies, processes, labor, equipment, material, and/or facilities to meet both defense and commercial needs. This effort, often termed civil-military integration or CMI, is believed by many observers to be an essential element of a successful U.S. national security strategy. OTA's assessment found that greater CMI is possible, and confirmed the potential for cost savings and increased technology transfer as the result of increased integration. The assessment noted that CMI appears essential if defense is to take advantage of many rapidly developing commercial technologies.

An integrated, highly practical approach to product developmentusing simultaneous engineering Industrial engineers and designers as well as managers working on new product development (NPD) typically do not have the time or the expertise to get involved in functions outside their immediate area. Yet the very nature of NPD requires a number of functions and processes to be performed concurrently. This is where simultaneous engineering comes in. Simultaneous Engineering for New Product Development offers state-of-the-art, integrated coverage of these two hot topics in manufacturing. Industry expert Jack Ribbens draws on firsthand experience with the successful application of simultaneous engineering in the automotive industry, discussing how this approach can help streamline the entire development and production process, resulting in high-quality, competitive goods. He examines all phases of the process, devoting a chapter to each key element-from market research to design and engineering to manufacturing, selling, and customer service and support. And while most books on concurrent engineering stress the theoretical aspects of the field, Ribbens's book is decidedly practical, complete with case studies from the automotive, aerospace, heavy vehicle, and electronic industries that can be applied to any manufactured product. With mathematical model development as well as useful graphs, checklists, and references, Simultaneous Engineering for New Product Development will help manufacturing professionals take advantage of new trends and technologies in manufacturing well into the twenty-first century.

The Emergence of Integrated and Repetitive Strategies in a Fragmented and Project-driven Industry

Assessing the potential for civil-military integration : selected case studies.

Cases on Supply Chain and Distribution Management: Issues and Principles

A Handbook for Strategy and Implementation

Configurations of Knowledge Intensive Processes and Collaborative Technologies

Strategies, Methodologies, and Principles for a More Responsive Organization

Productivity Improvement in Manufacturing SMEs

**"This book introduces readers to a wide selection of case studies covering a multitude of supply chains in different economies of the world and examines major issues related to supply chain management"--Provided by publisher.**

**This book provides a holistic picture of the digital age as it emerges in the 2010s. On the background of business analysis concepts from firm to megatrends and all business sectors of the World, the digital age of information systems and digital drivers are thoroughly laid out.**

**This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Focus Your Supply Chain Technology Investments to Reduce Risk and Maximize Competitiveness Lean, Six Sigma, and related approaches offer immense potential for improving competitiveness, cost, and customer experience-if you can overcome the challenges of planning and implementation. The well-targeted use of technology can dramatically reduce your risks and accelerate your progress. Until now, however, many guidebooks and consultants have treated Lean primarily as a "pen and pencil" technique. Lean and Technology is the first complete guide to integrating Lean thinking with proven, affordable, and emerging technologies. You'll learn how companies are linking strategy, the value chain, and IT-and how they are executing on their plans to achieve real competitive advantage. Step by step, Myerson shows how to use the proven six-step SCOR Model to organize the integration of technology with all key supply chain and operations processes. You'll discover how to: PLAN to optimize supply chain networks, demand forecasting, master production scheduling, and S&OP SOURCE more effectively with today's MRP and procurement/e-procurement technologies MAKE higher-value "lean production" products with modern ERP, MES, and short-term scheduling systems DELIVER the right customer solutions at the right time and cost via advanced DRP, TMS, and order fulfillment systems RETURN products and materials with state-of-the-art reverse logistics systems ENABLE continuous improvement via carefully chosen measurements, metrics, and analytics Throughout, Myerson presents easy-to-use tools, methodologies, best practices, and real-world examples: all you need to improve speed, accuracy, integration, and collaboration across complex supply chains. He concludes by previewing emerging technologies for maintaining and extending the competitive advantage you've already built.**

**Corporate Finance in der Praxis. The authors present all core aspects of Corporate Finance: M&A, Private Equity, Acquisition Financing, IPO, and Going Private. Furthermore, the techniques Due Diligence and Valuation are scrutinised. The book includes various case studies, which help to get a practical understanding and apply the techniques in the user's day-to-day business. Investment bankers, lawyers, accountants, experts working in strategic departments, consultants, shareholders, management professionals, professors, and students seeking in-depth knowledge of Corporate Finance will profit from the book's practice oriented approach. The information supplement includes - for students: samples of final written examinations - for professors: Excel solutions for the final written examinations as well as a course syllabus - for business professionals: a fully integrated Excel valuation model covering all spreadsheets analyzed in the valuation section of this book The authors Dr. Dr. Dietmar Ernst is Professor for International Finance at Nürtingen University (Germany) and Director of the German Institute of Corporate Finance. Dr. Dr. Joachim Häcker is Professor for Finance at Munich University, the University of Louisville (USA), as well as Director of the German Institute of Corporate Finance.**

**Concepts, Solutions, and Applications**

**The Digital Transformation of Global Business**

**Greening the Supply Chain**

**Concepts, Methodologies, Tools, and Applications**

**Production Development**

**Supply Chain Integration in the Building Industry**

**Simultaneous Engineering for New Product Development**

The Value Stream Management System simplifies the planning process for lean implementation, ensuring quick deployment and greater success. It links the metrics and reporting required by management with the lean tools needed on the manufacturing floor. The central feature of this illustrative and engaging book is the value stream management storyboard, a tool representing an eight-step process for lean implementation. The storyboard brings together people, tools, metrics, and reporting into one visual document. The authors stress the importance of reaching beyond single-point kaizens to ensure a sustainable lean implementation process. Many people use the value stream map as an individual tool, but not within the context of a proven overall system. Value Stream Management: Eight Steps to Planning, Mapping, and Sustaining Lean Improvements shows you how to use mapping as part of a complete system for lean implementation. The final outcome of Value Stream Management is the creation of a complete, visual plan for lean transformation - and the mastery of the skills required to implement that plan. Instead of just using Toyota Production System Tools, the authors encourage you to create your own lean production system. Value Stream Management will help you to complete your process and sustain it! BONUS CD! Along with this book you receive a CD containing a lean assessment tool, a storyboard template, useful charts, a team charter, forms, reports, and worksheets. DVD Package (see Catalog No. PP7338) A training aid to implement those principles taught in the book, a training video is available that teaches managers how to train lean teams. It starts with an overview of value stream management and the basics of lean. Subsequent lessons teach how to map current and future states; how to create action plans for implementation and follow-through; and how to develop a storyboard that communicates the entire process. Finally, a computer-generated "virtual factory" shows how the system comes together and how lean actually works. Viewers will see value stream management in action at four major companies. The package includes a facilitator's guide that provides information on how to use the package and an overview of each training module, and a participant guide.

With more emphasis being placed on the cost and quality of new products and on reducing the lead time to develop them, attention is turning to the increasingly important topic of design for manufacturing (DFM). This involves the collaboration among research and development, manufacturing, and other company functions and is aimed at accelerating the new product development process from product conception to market introduction. A company can create a competitive advantage for itself by managing the process and its related organizational dynamics effectively. This collection of essays focuses on the development of strategic capabilities through use of DFM tools and practices, the role of DFM in specific product development phases, and the social, political, and cultural context within which DFM is introduced.

An Exploratory Study