Lean Distribution Applying Lean Manufacturing To Distribution Logistics And Supply Chain

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Improving the Extended Value Stream
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Applying Lean in Healthcare
Handbook of Research on Design and Management of Lean Production Systems
Transactional Six Sigma and Lean Servicing
Journey to Lean

KOCH EZRA

Applied Lean Business Transformation
Springer Science & Business Media
Das mehrbändige Handbuch Produktion und Management richtet sich an Fach- und Führungskräfte technologieorientierter Unternehmen, die nach methodischer Unterstützung suchen, ebenso wie an Wissenschaftler und Studierende der Ingenieurwissenschaften und der Betriebswirtschaftslehre. Das Produktionsmanagement beinhaltet sämtliche Aufgaben zur Gestaltung, Planung, Überwachung und Steuerung eines Produktionssystems sowie der betrieblichen Ressourcen Mensch, Maschine, Material und Information. Dieser 5. Band ordnet die Kernprozesse der Produktionsprogrammplanung, des Auftragsmanagements, der Produktionsbedarfsplanung, der Eigenfertigungs- sowie der Fremdbezugsplanung und -steuerung in den Gesamtzusammenhang des Produktionsmanagements ein. Dabei wird der Gestaltungsspielraum innerhalb dieser fünf Kernprozesse aus den Perspektiven der Aufgaben, Methoden und Verfahren sowie aus Sicht der fertigungstypbezogen differenzierten Prozesse detailliert betrachtet.
Advantages and

Disadvantages of the Lean Production Process Springer The manufacturing industry is a cornerstone of national economy and people's livelihood. It is the way of transforming resources into products or goods which are required to cater to the needs of the society. Traditional manufacturing companies currently face several challenges such as rapid technological changes, inventory problem, shortened innovation, short product life cycles, volatile demand, low prices, highly customized products, and ability to compete in the global markets. Modern manufacturing is highly competitive due to globalization and fast changes in the global market. This book reviews emerging technologies in manufacturing. These technologies include artificial intelligence, smart manufacturing, lean manufacturing, robotics, automation, 3D printing, nanotechnology, industrial Internet of things, and augmented reality. The use of these technologies will have a profound impact on the manufacturing industry. The book consists of 19 chapters. Each chapter addresses a single emerging technology in depth and describes how manufacturing organizations are adopting the technology. The book fills an important niche for manufacturing. It is a comprehensive, jargon-free

introductory text on the issues, ideas, theories, and problems on emerging technologies in manufacturing. It is a must-read book for beginners or anyone who wants to be updated about emerging technologies.

Kanban for the Supply Chain IGI Global

Lean manufacturing is a process used in production to maximize efficiency and minimize waste by considering sustainability and the environment. This book presents a comprehensive overview of lean manufacturing in various enterprises, including manufacturing, construction, and the fabric and textile industry, among others. Chapters cover such topics as barriers to lean manufacturing, enterprise modeling, lean practices and circular economies, and more.

Das Lean Six Sigma Toolbook CRC Press

This book presents a series of high performance product design (PD) and development best practices that can create or improve product development organization. In contrast to other books that focus only on Toyota or other individual companies applying lean IPD, this book explains the lean philosophy more broadly and includes discussions of systems engineering, design for X (DFX), agile development, integrated product development, and project management. The “Lean Journey”

proposed here takes a value-centric approach, where the lean principles are applied to PD to allow the tools and methods selected to emerge from observation of the individual characteristics of each enterprise. This means that understanding lean product development (LPD) is not about knowing which tools are available but knowing how to apply the philosophy. The book comes with an accompanying manual with problems and solutions available on Springer Extras.

Improving the Extended Value Stream

Carl Hanser Verlag GmbH Co KG

Take charge and engage your enterprise in a Leantransformation

Have you thought about using Lean in your business ororganization, but are not really sure how to implement it? Orperhaps you're already using Lean, but you need to get up to speed.Lean For Dummies shows you how to do more with less andcreate an enterprise that embraces change. In plain-English, thisfriendly guide explores the general overview of Lean, how flow andthe value stream works, and the best ways to apply Lean to yourenterprise. This revised edition includes the latest tools, advice, andinformation that can be used by everyone — from majorcorporations to small business, from non-profits and

hospitals tomanufacturers and service corporations. In addition, it takes alook at the successes and failures of earlier Lean pioneers —including Toyota, the inventors of Lean — and offer casestudies and hands-on advice. The latest on the Six Sigma and Lean movements The role of technology and the expanding Lean toolbox Case studies enhance the material Lean For Dummies gives today's business owners and upperlevel management in companies of all sizes and in all industries,the tools and information they need to streamline process andoperate more efficiently.

Simplified Lean Manufacture

Routledge

Following in the footsteps of its popular predecessor, the second edition of this workbook explains how to apply kanban replenishment systems to improve material flow. Kanban for the Supply Chain: Fundamental Practices for Manufacturing Management, Second Edition provides readers with a detailed roadmap for achieving a successful and sustainable kanban implementation. Detailing the steps required for each stage of the manufacturing and supply chain management process, this updated edition focuses on creating an environment for success. It addresses internal mechanisms, including leveling production schedules, as well as external elements, such as

conducting a thorough analysis of customer demand. Numerous techniques are presented for setting up kanban that consider a wide array of material types, dimensions, and storage media. This edition presents a wealth of new tools and techniques useful across the broad spectrum of manufacturing environments, including: A statistical data cleansing technique to remove questionable or irrelevant data from kanban calculations Correlation analysis based on simple Excel techniques to guide the decisions around which part numbers "qualify" for kanban An alternative "stair-step analysis" approach for those who are unable to generate correlation data and prefer to use more readily available monthly demand history An approach to analyze supplier performance data vs. lead time and lot size expectations, with risk mitigation strategies for poor performing suppliers This book is for those who are ready to stop thinking about a conversion from materials requirements planning push techniques to kanban pull techniques and want to make it happen now. Stephen Cimorelli provides actionable advice for installing fundamental kanban concepts that can immediately help you increase manufacturing productivity and profitability. The book includes team-based exercises that reinforce

key principles as well as a CD with helpful outlines, charts, figures, and diagrams.

The Lean Builder: A Builder's Guide to Applying Lean Tools in the Field J. Ross Publishing

From start to finish, this book follows a comprehensive case study of a team as they implement a Lean Six Sigma project. This in-depth case study considers the data and explains how the team drew their conclusions. The accompanying CD includes the data covered in the case study so readers can perform their own analyses. Using more than 100 illustrative figures and tables, the text demonstrates the links between all of the Lean Six Sigma tools.

Applying Lean Manufacturing Concepts to a High-mix Low-volume Make to Order Environment J. Ross Publishing

Saturated markets, a decreasing valuation of fashion by a part of consumers paired with missing impulses by some companies has brought along a crisis in retail, especially in Europe. Changing consumer demand, customer sophistication, customer empowerment via the internet and rapid industry change are just a few challenges global retailers are facing today. The consequence is big pressure on prices and margins and a need for process excellence. As in the 1990s the American and European automotive industry struggled with

similar challenges, a concept named lean production was imported from Japan. It helped some Western automotive companies, like Porsche, and big parts of industry to find their way back on the path of success. Is the route to success via lean production exclusive to industry? Or might retailers today benefit from lean production philosophy? In this book Simon Fauser approaches these questions by analysing lean production philosophy, extracting lean principles and applying these to retail and its challenges.

Lean Six Sigma Approaches in Manufacturing, Services, and Production IGI Global

Logistische Netzwerke ziehen sich von der Beschaffung über die Produktion bis hin zur Distribution durch die gesamte Wertschöpfungskette und sind auf nahezu allen Ebenen von Komplexitätsauswirkungen betroffen. Der distributionslogistische Teil der Supply Chain ist ein sozio-technisches System und stellt die direkte Verbindung zum Kunden her. Im heutigen Wettbewerbsumfeld sind Distributionsaktivitäten mit einer Unvorhersehbarkeit beispielsweise hinsichtlich Variantenvielfalt, Bedarfsschwankungen und Losgrößen konfrontiert, die eine souveräne Reaktion erfordern. Viele untersuchte Variablen und

Marktmechanismen stellen sich dabei direkt oder indirekt als Komplexitätstreiber dar, deren distributionsspezifische Auswirkungen noch nicht Gegenstand wissenschaftlicher Untersuchungen waren.

Lean Project Delivery and Integrated Practices in Modern Construction CRC Press

Typically entrenched and systemic, healthcare problems require the sort of comprehensive solutions that can only be addressed by a change in culture and a shift in thinking. Applying Lean in Healthcare: A Collection of International Case Studies demonstrates how honest appraisal, intelligent planning, and vigilant follow-up have led to dramatic improvements in a variety of healthcare settings across the world. It teaches us how innovative organizations can find sustainable solutions to seemingly intractable problems by following a path guided by Lean Thinking. Lean methods may not solve every healthcare problem, but as these cases prove, changing a culture rather than personnel results in more effective sustainable change.

Lean For Dummies CRC Press

In the current climate attention has refocused on lean production. While books have looked at the principles of lean production and techniques, this book from McKinsey & Company, the world's

most influential management consultancy, provides a unique approach, which is holistic in nature and argues that lean must be central to the strategy and mindset of the company or organization. It will be the most comprehensive book on the tangible and intangible aspects of lean transformation with a complete overview of how organizations should embark upon this arising from the cutting edge work done by the authors with leading companies worldwide. **Implementing Lean Six Sigma throughout the Supply Chain** ibidem-Verlag / ibidem Press Bring the miracle of Lean Six Sigma improvement out of manufacturing and into services Much of the U.S. economy is now based on services rather than manufacturing. Yet the majority of books on Six Sigma and Lean--today's major quality improvement initiatives--explain only how to implement these techniques in a manufacturing environment. Lean Six Sigma for Services fills the need for a service-based approach, explaining how companies of all types can cost-effectively translate manufacturing-oriented Lean Six Sigma tools into the service delivery process. Filled with case studies detailing dramatic service improvements in organizations from Lockheed Martin to

Stanford University Hospital, this bottom-line book provides executives and managers with the knowledge they need to: Reduce service costs by 30 to 60 percent Improve service delivery time by 50 percent Expand capacity by 20 percent without adding staff

The Gold Mine – Die Geschichte eines gelungenen Lean Turnarounds

Lulu.com

Despite research documenting the operational benefits achieved by reducing the number of product offerings, manufacturing businesses frequently serve markets in which customers demand a large variety of products with options across multiple features at irregular intervals. To meet customer requirements across a range of possible demand, businesses manage the high mix and low volume by choosing to make-to-order instead of make-to-stock. While principles of Lean Manufacturing have been recognized as enablers of operational excellence in high volume production operations, questions remain about the applicability of the concepts in high-mix, low-volume, make-to-order environments. This project explores the applicability of Lean concepts within this manufacturing environment at PSI Control Solutions (PSI), a mid-sized business assembling electrical distribution and control products for industrial consumers. To stay

competitive, the business must provide high quality, cost competitive products that meet customer specifications with minimal lead times. Within this organization, the primary research areas for applying Lean concepts were component replenishment policy and production process improvement. After a production cell applied the methods of eliminating waste, mistake proofing, and pull, it increased the percent of sales delivered on time to the customer desired date from 85.7% to 100% over subsequent 3 month periods and improved product first pass-yield from 87.9% to 93.1% over 6 month periods.

Lean Manufacturing. Step by Step John Wiley & Sons

This is a complete and easy-to-understand approach to successfully implementing Lean principles. The text also provides a wide range of tools, techniques, and examples to support your systematic and continous Lean journey.

The Routledge Companion to Lean Management CRC Press

Die Referenz zum Verständnis der Konzepte und Werkzeuge von Lean Six Sigma: Six Sigma ist ein statistisches Qualitätsziel und zugleich ein Instrument des Qualitätsmanagements. Ausgangspunkt dieser auf Effizienz und Qualität ausgerichteten

Methode ist die Zieldefinition. Danach wird die Fehlerabweichung von diesem Idealziel ermittelt. Ihr Kernelement ist also die Beschreibung, Messung, Analyse, Verbesserung und Überwachung von Geschäftsprozessen unter anderem mit statistischen Mitteln. Dabei orientieren sich die Ziele an Prozesskennzahlen eines Unternehmens und an den Kundenbedürfnissen. In diesem Buch werden alle wichtigen Werkzeuge zur Anwendung von Lean Six Sigma vorgestellt und systematisch auf ihre Einsatzgebiete hin eingeordnet. Detaillierte Erläuterungen helfen zu verstehen, welches Werkzeug wann, wie und warum einzusetzen ist. Aus dem Inhalt: - Voice of the Customer - Wertstromanalyse und Prozessflussdiagramme - Datenerhebung und Abweichungsanalysen - Fehlerursachen identifizieren und verifizieren - Minderung der Durchlaufzeiten und der nicht-wertschöpfenden Kosten - Komplexität und Komplexitätsanalyse - Auswahl und Pilotierung von Lösungen Michael L. George ist Chairman der George Group, der weltweit führenden Six-Sigma-Beratung. David Rowlands ist Vice President für Six Sigma bei der North American Solution Group, einer Division von Xerox. Marc Pice und John Maxey sind Mitarbeiter

der George Group. Die Übersetzung dieses Buchs wurde vom Six-Sigma-Experten Dirk Dose, Partner bei der PPI AG (www.sixsigma.de), und seinem Team vorgenommen. Er verfügt über umfangreiche Beratungspraxis mit Prozessoptimierungsprojekten, bei denen Six Sigma zur Verbesserung von Geschäftsprozessen eingesetzt wurde. Lean Six Sigma ist eine der führenden Techniken zur Maximierung der Prozesseffizienz und zur Steuerung jedes Schritts eines Geschäftsprozesses. Mit dem Lean Six Sigma Toolbook werden Sie entdecken, wie Sie Ihr Unternehmen auf ein neues Niveau der Wettbewerbsfähigkeit heben können.

Lean Construction Natl Assn Wholesale-Distr

Lean Manufacturing has proved to be one of the most successful and most powerful production business systems over the last decades. Its application enabled many companies to make a big leap towards better utilization of resources and thus provide better service to the customers through faster response, higher quality and lowered costs. Lean is often described as “eyes for flow and eyes for muda” philosophy. It simply means that value is created only when all the resources flow through the system. If the flow is stopped no value but only costs and time are added, which is muda (Jap. waste). Since the

philosophy was born at the Toyota many solutions were tailored for the high volume environment. But in turbulent, fast-changing market environment and progressing globalization, customers tend to require more customization, lower volumes and higher variety at much less cost and of better quality. This calls for adaptation of existing lean techniques and exploration of the new waste-free solutions that go far beyond manufacturing. This book brings together the opinions of a number of leading academics and researchers from around the world responding to those emerging needs. They tried to find answer to the question how to move forward from “Spaghetti World” of supply, production, distribution, sales, administration, product development, logistics, accounting, etc. Through individual chapters in this book authors present their views, approaches, concepts and developed tools. The reader will learn the key issues currently being addressed in production management research and practice throughout the world.

Lean Manufacturing

John Wiley & Sons

"This book explores the recent advancements in the areas of lean production, management, and the system and layout design for manufacturing environments,

capturing the building blocks of lean transformation on a shop floor level"--

Improving Business Performance With Lean, Second Edition

CRC Press

While there are many books written on the basics of the "supply" side of the supply chain (i.e. strategic sourcing, sourcing/procurement, and purchasing), there hasn’t been much written on those areas from a Lean perspective. Considering that supply chain costs, primarily procurement and transportation, can range from 50 to 70% of sales, it's surprising that this area has not been fully explored. As a result, some companies tend to place too much emphasis on the traditional focus of reducing material costs instead of process improvement. Lean Demand-Driven Procurement: How to Apply Lean Thinking to Your Supply Management Process details the basic supply management concepts and processes (i.e. sourcing, procurement, and purchasing) in an easy-to-understand format in combination with various process improvement tools, methodologies, best practices, examples, and cases written from a Lean perspective. It focuses and pinpoints ways to identify waste on the supply side through improved processes and, in some cases, technology. Applying Lean principles to procurement and purchasing processes

identies non-traditional sources of waste, and in some cases, creates a paradigm shift that results in additional benets to the entire supply chain.

End-to-End Lean Management CRC Press

Service industries have traditionally lagged manufacturing in adoption of quality management strategies and Six Sigma is no exception. While there are a growing number of books on applying the hot topics of Six Sigma and Lean Manufacturing concepts in a manufacturing environment, there has not been a mainstream book that applies these techniques in a service environment, until now. Transactional Six Sigma and Lean ServicingTM: Leveraging Manufacturing Concepts to Achieve World Class Service is a ground breaking "how-to" book that serves as a practical guide for implementing Six Sigma and Lean Manufacturing methods in a transactional service oriented environment. It uses real case studies and examples to show how Six Sigma and Lean ServicingTM techniques have been implemented and proven effective in achieving substantial documented results. Lean ServicingTM is the author's own term used to describe the application of Lean Manufacturing concepts to transactional and service processes. Liberal use of

examples, graphics, and tables will assist you in grasping the difficult concepts. Transactional Six Sigma and Lean ServicingTM covers both theory and practical application of Lean ServicingTM, Six Sigma DMAIC and Six Sigma DFSS concepts and methods so you can implement them effectively in your service organization and achieve reduced costs and a new level of service excellence.

Lean Manufacturing Vahlen

This book reports four structural equation models (SEM) for quantifying the relationship between the most important lean manufacturing (LM) practices applied to the manufacturing industry. The SEMs are evaluated using 220 responses to a survey applied to manufacturing companies applying LM principles in the production system and are related to: distribution and maintenance, production process and quality system, supply chain and quality, and an integrator model. The findings identify the most important activities for every LM practices and how they are related. These relationship' values will help administrators, managers, engineers to focus their efforts on these most important activities, facilitating the decision-making process.

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