

# supply chain value stream mapping

**supply chain value stream mapping** is a critical technique used by businesses to visualize, analyze, and optimize the flow of materials and information throughout the supply chain. This method helps identify inefficiencies, bottlenecks, and waste within the supply chain processes, ultimately improving overall performance and customer satisfaction. By mapping the value stream, companies gain a comprehensive understanding of their supply chain activities from raw materials to finished products, enabling targeted improvements. This article delves into the principles, benefits, and practical applications of supply chain value stream mapping. It also explores the tools and steps involved in creating an effective value stream map, along with common challenges and strategies for overcoming them. The detailed insights provided here aim to equip supply chain professionals with the knowledge needed to implement value stream mapping successfully.

- Understanding Supply Chain Value Stream Mapping
- Benefits of Supply Chain Value Stream Mapping
- Key Components of a Supply Chain Value Stream Map
- Steps to Create a Supply Chain Value Stream Map
- Tools and Techniques for Value Stream Mapping
- Common Challenges and Solutions

## Understanding Supply Chain Value Stream Mapping

Supply chain value stream mapping is a lean management tool that visually represents the flow of materials and information as a product or service moves through the supply chain. It focuses on identifying value-added and non-value-added activities, enabling organizations to streamline operations and reduce waste. The supply chain encompasses multiple stages, including procurement, manufacturing, warehousing, distribution, and delivery. Value stream mapping captures these stages in a single, comprehensive diagram, highlighting lead times, inventory levels, and process durations.

## Definition and Purpose

At its core, supply chain value stream mapping is designed to provide a clear picture of how value is created and delivered to the customer. The primary purpose is to expose inefficiencies such as delays, excess inventory, and

redundant processes that do not contribute to customer value. This visualization facilitates data-driven decision-making and continuous improvement initiatives.

## **Difference Between Process Mapping and Value Stream Mapping**

While process mapping focuses on individual processes or tasks, value stream mapping takes a broader perspective by encompassing the entire supply chain or end-to-end flow. It includes not only process steps but also information flows, inventory buffers, and cycle times, providing a holistic view of the system. This distinction makes value stream mapping particularly effective in supply chain optimization.

## **Benefits of Supply Chain Value Stream Mapping**

Implementing supply chain value stream mapping offers numerous advantages that contribute to operational excellence and competitive advantage. Organizations that utilize this technique can expect improvements in efficiency, cost reduction, and customer satisfaction.

### **Enhanced Visibility and Transparency**

Value stream mapping reveals the actual state of supply chain operations, providing transparency across departments and stakeholders. This visibility helps identify hidden issues and fosters collaboration to address them effectively.

### **Waste Reduction and Process Improvement**

By distinguishing value-added activities from waste, companies can target specific areas for process improvement. Common types of waste identified include overproduction, waiting times, excess inventory, and unnecessary transportation.

### **Improved Lead Times and Customer Service**

Streamlining the supply chain through value stream mapping often results in shortened lead times and more reliable delivery schedules. This directly enhances customer satisfaction and responsiveness to market demands.

## **Cost Savings**

Eliminating inefficiencies and optimizing resource utilization reduce overall operational costs. Savings come from lower inventory holding costs, reduced labor expenses, and minimized rework or defects.

## **Key Components of a Supply Chain Value Stream Map**

A supply chain value stream map consists of several critical elements that collectively provide a comprehensive overview of the supply chain process and its performance metrics.

### **Process Steps**

These are the individual activities or operations performed within the supply chain, from procurement of raw materials to product delivery. Each step is represented as a distinct box or symbol in the map.

### **Information Flow**

Information flow depicts the communication channels and data exchanges that coordinate supply chain activities, such as order transmissions, forecasts, and production schedules.

### **Material Flow**

This component tracks the physical movement of materials, parts, and products through the supply chain stages, including transportation and storage points.

### **Inventory Levels**

Inventory quantities at various points in the supply chain are noted to identify excess stock or shortages that may impact flow and efficiency.

### **Lead Times and Cycle Times**

These metrics measure the time taken for each process step and the total duration for a product to move through the supply chain, highlighting delays or bottlenecks.

## **Value-Added and Non-Value-Added Activities**

Activities are classified based on whether they contribute directly to customer value, helping prioritize process improvements.

## **Steps to Create a Supply Chain Value Stream Map**

Developing an effective value stream map involves a systematic approach that captures accurate data and facilitates meaningful analysis.

### **Define the Scope and Objectives**

Determine the boundaries of the supply chain segment to be mapped and establish clear goals, such as reducing lead time or minimizing inventory.

### **Gather Data and Observe Processes**

Collect quantitative and qualitative data through direct observation, interviews, and system reports to understand current operations.

### **Map the Current State**

Create a visual representation of the existing supply chain flow, including all key components and metrics identified.

### **Analyze the Map for Waste and Bottlenecks**

Examine the current state map to pinpoint inefficiencies, delays, and non-value-added activities that require attention.

### **Design the Future State Map**

Develop an improved version of the value stream map that eliminates waste and optimizes the flow, aligning with strategic objectives.

### **Implement Improvements**

Execute the changes identified in the future state map through process redesign, technology adoption, or organizational adjustments.

## **Review and Continuously Improve**

Monitor the supply chain performance post-implementation and refine the value stream map regularly to sustain gains and adapt to changes.

## **Tools and Techniques for Value Stream Mapping**

Several tools and methodologies support the creation and analysis of supply chain value stream maps, enhancing accuracy and effectiveness.

### **Mapping Software**

Dedicated software solutions provide templates and drag-and-drop features to facilitate value stream map creation and updates. These tools often integrate with enterprise resource planning (ERP) systems for real-time data.

### **Lean Six Sigma Methodology**

Lean Six Sigma principles complement value stream mapping by providing structured problem-solving techniques to eliminate waste and improve process quality.

### **Data Collection Techniques**

Time studies, process audits, and value stream workshops are common methods used to gather detailed data necessary for accurate mapping.

### **Kaizen Events**

Focused improvement events, or Kaizen workshops, leverage cross-functional teams to analyze the value stream map and identify actionable improvements quickly.

## **Common Challenges and Solutions**

While supply chain value stream mapping offers significant benefits, organizations often face hurdles in its implementation that require proactive strategies.

## **Data Accuracy and Availability**

Challenge: Incomplete or inaccurate data can lead to misleading maps and ineffective improvements.

Solution: Establish robust data collection protocols and validate information through multiple sources.

## **Cross-Functional Collaboration**

Challenge: Siloed departments may resist sharing information or coordinating efforts.

Solution: Promote a culture of collaboration by involving stakeholders from all relevant functions early in the mapping process.

## **Complexity of Supply Chains**

Challenge: Large, multi-tiered supply chains can be overwhelming to map comprehensively.

Solution: Break down the supply chain into manageable segments and map them sequentially or focus on critical paths first.

## **Resistance to Change**

Challenge: Employees may be reluctant to adopt new processes identified through value stream mapping.

Solution: Communicate benefits clearly, provide training, and involve staff in problem-solving to increase buy-in.

## **Maintaining Continuous Improvement**

Challenge: Initial improvements may stall without ongoing attention.

Solution: Establish regular review cycles and embed value stream mapping into continuous improvement programs.

- Define clear objectives and scope for mapping.
- Involve cross-functional teams to ensure comprehensive data collection.
- Use appropriate software tools to create and update maps efficiently.
- Analyze both material and information flows for complete visibility.
- Identify and eliminate non-value-added activities to reduce waste.

- Develop actionable future state maps aligned with business goals.
- Implement improvements with stakeholder engagement and ongoing monitoring.

## **Frequently Asked Questions**

### **What is supply chain value stream mapping?**

Supply chain value stream mapping is a visual tool used to analyze and design the flow of materials and information required to bring a product or service to a customer, identifying value-added and non-value-added activities within the supply chain.

### **How does value stream mapping improve supply chain efficiency?**

Value stream mapping helps identify bottlenecks, waste, and inefficiencies in the supply chain, enabling organizations to streamline processes, reduce lead times, and improve overall operational efficiency.

### **What are the key steps involved in creating a supply chain value stream map?**

The key steps include selecting the product or service family, mapping the current state by collecting data on material and information flow, analyzing the map to identify waste, designing a future state with improvements, and implementing changes to optimize the supply chain.

### **Which software tools are commonly used for supply chain value stream mapping?**

Common tools include Microsoft Visio, Lucidchart, iGrafx, Miro, and specialized Lean Six Sigma software that facilitate creating and sharing detailed value stream maps.

### **How does supply chain value stream mapping support digital transformation initiatives?**

Value stream mapping provides a clear visualization of current processes, helping organizations identify areas where digital technologies such as automation, IoT, and AI can be integrated to enhance transparency, agility, and responsiveness in the supply chain.

# Additional Resources

## 1. *Value Stream Mapping: How to Visualize Work and Align Leadership for Organizational Transformation*

This book offers a comprehensive guide to value stream mapping (VSM) with a focus on supply chain processes. It explains how to visualize workflows, identify waste, and enhance process efficiency. Readers will learn practical tools and leadership strategies to drive organizational improvements.

## 2. *Supply Chain Value Stream Mapping: Maximizing Efficiency and Eliminating Waste*

Targeted at supply chain professionals, this book delves into applying VSM specifically within supply chains. It discusses techniques to map and analyze material and information flow, helping to uncover bottlenecks and reduce lead times. Case studies illustrate real-world applications and measurable results.

## 3. *Lean Supply Chain and Logistics Management*

This text integrates lean principles with supply chain management, highlighting the role of value stream mapping. It covers how VSM can streamline logistics, improve inventory management, and foster continuous improvement. The book also provides actionable insights to enhance customer satisfaction through lean strategies.

## 4. *Value Stream Mapping for Lean Development: A How-To Guide for Streamlining Time to Market*

Although centered on product development, this book includes valuable methods for applying VSM in supply chains to accelerate delivery. It demonstrates how to identify delays and redundancies across the value stream, enabling faster and more efficient market readiness. Practical examples support implementation in complex environments.

## 5. *Creating Mixed Model Value Streams: Practical Lean Techniques for Building to Demand*

Focusing on mixed-model supply chains, this book presents strategies to use value stream mapping for managing variety and complexity. It explains how to design flexible value streams that can adapt to fluctuating demand while maintaining efficiency. Readers gain tools to balance production flow and reduce waste.

## 6. *Value Stream Mapping for Lean Six Sigma: A Step-by-Step Guide*

This guide combines the strengths of Lean Six Sigma with value stream mapping to enhance supply chain performance. It provides detailed steps for creating current and future state maps, identifying improvement opportunities, and implementing solutions. The book is ideal for practitioners seeking to drive quality and speed.

## 7. *Lean Supply Chain and Logistics Planning: The Strategic Role of Value Stream Mapping*

The book emphasizes strategic planning in supply chains using VSM as a core tool. It covers aligning supply chain activities with business goals,

improving collaboration, and optimizing end-to-end processes. Readers learn how to leverage mapping to support decision-making and long-term value creation.

#### *8. Value Stream Mapping for Healthcare Supply Chains: Improving Patient Care Through Operational Excellence*

While focused on healthcare, this book offers insights applicable to all supply chains about using VSM to improve service delivery. It discusses identifying inefficiencies, reducing costs, and enhancing flow within healthcare supply chains to ultimately improve patient outcomes. The principles are transferable to other industries seeking operational excellence.

#### *9. Lean Transformation in Supply Chains: Using Value Stream Mapping to Drive Change*

This book provides a roadmap for lean transformation initiatives within supply chains anchored by value stream mapping. It highlights cultural and process changes necessary to sustain improvements and create responsive supply chains. Practical advice and examples support leaders aiming to implement lean thinking effectively.

## **Supply Chain Value Stream Mapping**

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### **supply chain value stream mapping: Value Stream Mapping for the Process Industries**

Peter L. King, Jennifer S. King, 2017-08-25 Providing a framework that highlights waste and its negative effects on process performance, value stream maps (VSMs) are essential components for successful Lean initiatives. While the conventional VSM format has the basic structure to effectively describe process operations, it must be adapted and expanded to serve its purpose in the process industry.

### **supply chain value stream mapping: Value Stream Mapping in the Supply Chain** John G.

Bagley, 2015 The objective of this research was to use value stream mapping as a tool to identify waste in processes used to supply contactors to XYZ Company. XYZ Company lacked lean processes that resulted in overproduction and increased inventory costs. These processes extended from XYZ Company's operations to the contactor supplier's operations. This project showed how high level value stream maps can identify waste and provide substantial return on investment savings. Identifying opportunities in the supply chain was necessary to meet the customer's expectations and compete in the world market. Lean manufacturing has a history of providing lower cost items. Now companies are working with their suppliers to provide cost reductions by eliminating waste between their operations. Project teams can use lean tools and create future state processes. The project approach helps to connect subject matter experts to process experts, providing for better solutions positively impacting costs, time, and use of materials. This research shows how to save costs by providing a simpler solution.

**supply chain value stream mapping:** *Supply Chain Management* Douglas M. Lambert, 2008

**supply chain value stream mapping: Customer-Driven Supply Chains** Andrew C. Lyons, Adrian E. Coronado Mondragon, Frank Piller, Raúl Poler, 2012-01-05 In recent years, the supply chain has become a key element to the survival and prosperity of organisations in different industry sectors. Organisations dealing in dynamic business environments demand supply chains that support the satisfaction of customer needs. The principles of lean thinking that once permeated standalone organisations have now been transferred to the supply chain, making imperative the development of innovative approaches to supply chain management. Customer-driven Supply Chains: Strategies for Lean and Agile Supply Chain Design reviews the concept of lean thinking and its relationship to other key initiatives associated with supply chain management. Detailed industrial case studies based on the authors' experience illustrate the principles behind lean supply chains. Moreover, a series of diagrams are used to illustrate critical concepts and supply chain architectures. Special emphasis is placed on the importance of transferring lean principles from the organisational level to the supply chain level. The theory and principles behind lean supply chains are reviewed. Other concepts related to lean supply chains discussed in the book include: mass customisation, agility, information sharing and the bullwhip effect. A methodology used to measure the performance of supply chains is introduced; this methodology comprises the tools of decision timeline, data-flow diagramming, supply chain value stream mapping and a performance measurement scorecard. Readers will gain a clear picture of the competitive implications of lean supply chains. Customer-driven Supply Chains: Strategies for Lean and Agile Supply Chain Design will be a valuable resource of material to students studying supply chain/operations management as well as researchers in this field. Industry practitioners will learn how to develop sound supply chain strategies that can have a positive impact in their organisation.

**supply chain value stream mapping:** *Supply Chain Management* Pengzhong Li, 2011-04-26

The purpose of supply chain management is to make production system manage production process, improve customer satisfaction and reduce total work cost. With indubitable significance, supply chain management attracts extensive attention from businesses and academic scholars. Many important research findings and results had been achieved. Research work of supply chain management involves all activities and processes including planning, coordination, operation, control and optimization of the whole supply chain system. This book presents a collection of recent contributions of new methods and innovative ideas from the worldwide researchers. It is aimed at providing a helpful reference of new ideas, original results and practical experiences regarding this highly up-to-date field for researchers, scientists, engineers and students interested in supply chain management.

**supply chain value stream mapping:** *Value Stream Mapping in the Supply Chain* Steven R.

O'Brien, 2018 As an organization within a highly competitive commodity market, XYZ Company had an opportunity to improve a production line and reduce inventory needed for customer service. The objective of this research was to identify waste within the supply chain by using the value stream mapping tool within a product within XYZ Company. XYZ Company was in the beginning phases of their lean journey to creating a lean culture. The use of new lean tools and strategies to advance their operations towards a more streamline flow to reduce wastes. Value stream mapping allowed XYZ Company to visualize where opportunities were and reinforce the findings with objective data that allowed them to focus on certain areas of their supply chain.

**supply chain value stream mapping:** *Managing Global Supply Chains* Ron Basu, 2016-12-01

Starting from the concept that there is no point driving a Ferrari in a traffic jam, Basu and Wright demonstrate the importance of good supply chain management in Managing Global Supply Chains. Building on the successful Total Supply Chain Management and incorporating the new challenges of globalisation, this book demonstrates the practical tools and techniques that add value, deliver cost reduction and improve customer satisfaction. This new edition has been substantially revised and extended to include a holistic approach, incorporating the upstream suppliers and the downstream customers. Further updates to this edition include: New chapters on e-business, emerging markets,

sustainability and green issues, global supply chains for services and event management, retail management and major project management A section of brand new case studies A new companion website to support lecturers with their teaching This book also provides comprehensive insight into lean and agile supply chains supported by tools, techniques and case examples. Managing Global Supply Chains is a practical text with excellent coverage and is ideal for post-experience business students or learning professionals in supply chain management.

**supply chain value stream mapping: Supply Chain Management** Ray R. Venkataraman, Ozgun C. Demirag, 2022-01-12 Supply Chain Management: Securing a Superior Global Edge takes a holistic, integrated approach to managing supply chains by addressing the critically important areas of globalization, sustainability, and ethics in every chapter. Authors Ray Venkataraman and Ozgun C. Demirag use a wide variety of real-world cases and examples from the manufacturing and service sectors to illustrate innovative supply chain strategies and technologies. With a focus on decision-making and problem-solving, Supply Chain Management provides students with the tools they need to succeed in today's fiercely competitive, interconnected global economy.

**supply chain value stream mapping: Supply Chain Immunity** Robert Handfield, Daniel J. Finkenstadt, 2023-03-02 This book provides a concerted supply chain perspective for dealing with pandemics on the scale of COVID-19. Specifically, this book describes a new approach, supply chain immunity, to illustrate what is needed to fix our economy and healthcare systems. The authors of this book are experts in supply chain management, health care supply chains, major systems acquisition, and contingency sourcing methods. Based on first-hand experiences working during COVID in the depths of the nation's supply chain failures, the authors develop important themes for private and public sector supply chain managers to consider in rebuilding a more immune supply chain. The book is targeted at policy makers, academics, practitioners, and students of disaster response, public policy, healthcare, and supply chain management who are interested in learning contemporary lessons from the COVID-19 pandemic. From the perspective of those who lived through the chaos, the authors further explore the application of novel concepts in joint planning, market intelligence, and governance related to a national pandemic or other global contingency.

**supply chain value stream mapping: Lean Procurement and Supply Chain Management** Ade Asefeso MCIPS MBA, 2012-09-10 Lean Procurement and supply chain management is for many companies. It is not just for manufacturers who practice lean management. It is also for non-manufacturers, wholesalers, distributors, retailers and others. During the past few years, companies have focused on supply chain improvements with initiatives centred on operational excellence and cost cutting. But have they worked? In today's on-demand environment, companies are facing growing challenges around market volatility, costs, long lead times and unpredictable forecasts. Your inventory management decisions can make or break your firm's financial bottom line. You will find strategies in this book that will let your company meet these daily challenges and optimize working capital efficiency.

**supply chain value stream mapping: The Art and Science of Demand and Supply Chain Planning in Today's Complex Global Economy** Paul Myerson, 2023-02-24 The demand and supply chain planning process for manufacturers, distributors, and retailers has evolved over the years. It has gone from a disjointed, unconnected, slow, inaccurate, fairly manual set of processes to an integrated, timely process enabled by the use and coordination of highly trained people, lean, agile processes, and cutting-edge technology. To make this set of processes work effectively, one has to fully understand and appreciate that there is an art and science aspect to the process which can take years of education and experience to fully understand. Essentially, this book will offer the reader a chance to fully understand the interconnected set of processes in a best-practice application. Furthermore, examples and cases will be used to illustrate its practical application in today's complex global supply chain. In addition, readers will understand and be able to apply and articulate the concepts, tools, and techniques used in the efficient supply of goods and services in today's changing global economy. It will help them to learn how businesses, through their supply chain, work both internally and with their trading partners - both upstream and downstream - to

build strong relationships and integrate demand and supply planning activities across the supply chain to deliver customer value efficiently and effectively. They will learn about the tools and technologies enabling integration, and the critical drivers and key metrics of supply chain performance.

**supply chain value stream mapping:** Logistics and Supply Chain Integration Ian Sadler, 2007-06-12 For students who want to advance their understanding of company logistics and supply chains, the author examines how a number of firms in a supply chain work together to create a flow of products and services that satisfies end customers, whilst enabling all the manufacturing and service companies involved to grow profitably. Including the most recent concepts and theoretical advances to emerge from the field of logistics and supply chain management, this text informs and assists its readers with the aid of case studies and accompanying questions, diagrams, photos and an accompanying website.

**supply chain value stream mapping:** *The Digitalization of the 21st Century Supply Chain* Stuart Rosenberg, 2020-11-09 The goal of this book is to gain a clear picture of the current status and future challenges with regard to the digitalization of the supply chain – from the perspective of the suppliers, the manufacturers, and the customers. They were the target groups of the book. Digitization has touched upon all aspects of businesses, including supply chains. Technologies such as RFID, GPS, and sensors have enabled organizations to transform their existing hybrid (combination of paper-based and IT-supported processes) supply chain structures into more flexible, open, agile, and collaborative digital models. Unlike hybrid supply chain models, which have resulted in rigid organizational structures, unobtainable data, and disjointed relationships with partners, digital supply chains enable business process automation, organizational flexibility, and digital management of corporate assets. In order to reap maximum benefits from digital supply chain models, it is important that companies internalize it as an integral part of the overall business model and organizational structure. Localized disconnected projects and silo-based operations pose a serious threat to competitiveness in an increasingly digital world. The technologies discussed in this text – artificial intelligence, 3D printing, Internet of things, etc. – are beginning to come together to help digitize, automate, integrate, and improve the global supply chains. It's certainly an exciting and challenging time for both new supply chain professionals and long-time supply chain professionals.

**supply chain value stream mapping:** **Sustainable Supply Chain Management** Joëlle Morana, 2013-05-06 It is commonly recognized that logistics has become a major strategic issue for all companies, whether they are part of the primary, secondary or tertiary sector. Faced with the external pressures of globalization and competition, logistics optimizes processes and reduces production and delivery cycles. The use of Sustainable Supply Chain Management (SuSCM) is now increasingly at the center of thought, due to the numerous factors favoring its implementation: requests from various stakeholders, governmental pressures (decrees, laws, regulations, etc.), environmental pressures (pollution, disappearance of fuel fossils, etc.) and societal pressures (reputation/image, protection, etc.). However, there are still obstacles to the implementation of SuSCM, including significant costs, the complexity of coordination and the lack of communication within the whole supply chain. Nevertheless, it should nowadays be included by any organization in its decisions towards a strategic approach towards sustainability. This book presents each economic, environmental and societal aspect of SuSCM. By considering each of these dimensions separately, the primary objective is to facilitate the implementation of the elements that make it up. Readers are also provided with several “strategic interpretive lenses” to be able to perform audits and diagnostics of each component.

**supply chain value stream mapping:** EBOOK: Operations and Supply Chain Management, Global edition F. Robert Jacobs, Richard Chase, 2013-06-16 Resourceful companies today must successfully manage the entire supply flow, from the sources of the firm, through the value-added processes of the firm, and on to the customers of the firm. The fourteenth Global Edition of Operations and Supply Chain Management provides well-balanced coverage of managing people and

applying sophisticated technology to operations and supply chain management.

**supply chain value stream mapping:** *Managing Project Supply Chains* Ron Basu, 2017-03-02 The success of any project relies on the punctual, accurate and cost-effective delivery of materials, systems and facilities. Typically, a major project involves several stakeholders working together with controlled resources to deliver a completed project. It has many suppliers, contractors and customers; it has procurement and supply, demand planning and scheduling; it often lasts several years and has long lead times. *Managing Project Supply Chains* demonstrates how customised supply chain management can be applied to project management, ensuring project resources are delivered as required, reducing delays and costs and promoting a successful outcome.

**supply chain value stream mapping:** *Changing Senario of Business and E-Commerce* , **supply chain value stream mapping:** *Essentials of Operations Management* Nigel Slack, Alistair Brandon-Jones, 2018 Based on the market-leading *Operations Management* text, this is the ideal book for those wanting a more concise introduction to the subject, focusing on essential core topics, without compromising on the authoritative, clear and highly practical approach that has become the trademark of the authors. Revised and updated to reflect the ever-changing world of operations management, the book is rooted in real-life practice with a wealth of examples and case studies from different sectors and industries around the world. MyLab Operations Management not included. Students, if MyLab Operations Management is a recommended/mandatory component of the course, please ask your instructor for the correct ISBN and course ID. MyLab Operations Management should only be purchased when required by an instructor. Instructors, contact your Pearson representative for more information.

**supply chain value stream mapping:** *Optimizing Your Supply-Chain Performance* Raymond Kelly, 2019-06-25 Most companies are continuously trying to reduce their supply-chain costs, time to market, and inventory. *Optimizing Your Supply-Chain Performance: How to Assess and Improve Your Company's Strategy and Execution Capabilities* presents the how-to's (and a few how-NOT-to's!) for conducting assessments of companies' supply chains as well as identifying areas for improvement. It covers techniques, tools, and methodologies for evaluating current working methods (current state) versus industry best practices and operational optimization. It identifies performance gaps and suggests planning and implementing improved ways of working (the future and ideal states). With a collection of approximately 40 case-in-point examples of supply-chain transformation across a wide array of industries including Fortune 1000 companies as well as foreign global leaders, this book provides a detailed guide for assessing and improving organizational strategy and execution-capabilities for: Inventory management Order fulfillment Sourcing and purchasing Manufacturing planning, scheduling, and execution Overall supply-chain effectiveness Business continuity planning Essentially, this book provides basic knowledge for assessing, improving, and optimizing the end-to-end supply chain, and the case-in-point examples assist in breaking down theories into simple, actionable improvement activities. The author stresses the importance of business continuity and provides grassroots approaches to identifying risks. Based on the author's vast experience out in the field, it gives professionals a new perspective and inspires them to seek world-class performance.

**supply chain value stream mapping:** *Supply Chain Management For Dummies* Daniel Stanton, 2017-11-10 Everyone can impact the supply chain *Supply Chain Management For Dummies* helps you connect the dots between things like purchasing, logistics, and operations to see how the big picture is affected by seemingly isolated inefficiencies. Your business is a system, made of many moving parts that must synchronize to most efficiently meet the needs of your customers—and your shareholders. Interruptions in one area ripple throughout the entire operation, disrupting the careful coordination that makes businesses successful; that's where supply chain management (SCM) comes in. SCM means different things to different people, and many different models exist to meet the needs of different industries. This book focuses on the broadly-applicable Supply Chain Operations Reference (SCOR) Model: Plan, Source, Make, Deliver, Return, and Enable, to describe the basic techniques and key concepts that keep businesses running smoothly. Whether you're in sales, HR, or

product development, the decisions you make every day can impact the supply chain. This book shows you how to factor broader impact into your decision making process based on your place in the system. Improve processes by determining your metrics Choose the right software and implement appropriate automation Evaluate and mitigate risks at all steps in the supply chain Help your business function as a system to more effectively meet customer needs We tend to think of the supply chain as suppliers, logistics, and warehousing—but it's so much more than that. Every single person in your organization, from the mailroom to the C-suite, can work to enhance or hinder the flow. Supply Chain Management For Dummies shows you what you need to know to make sure your impact leads to positive outcomes.

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