

Unilever And Its Supply Chain Embracing Radical Transparency

Unilever And Its Supply Chain Embracing Radical Transparency Unilever and its supply chain embracing radical transparency has become a defining factor in the company's strategic evolution toward sustainability, ethical sourcing, and consumer trust. In an era where consumers increasingly demand accountability and ethical practices from the brands they support, Unilever has taken bold steps to open its supply chain operations to scrutiny, fostering a culture of openness that sets a new standard for corporate responsibility. This article explores how Unilever is implementing radical transparency within its supply chain, the motivations behind this shift, key initiatives, and the broader implications for the industry. Understanding Radical Transparency in Supply Chains Radical transparency refers to the practice of openly sharing detailed information about a company's operations, sourcing, labor practices, environmental impact, and supply chain partners. Unlike traditional transparency efforts, which might involve selective disclosure, radical transparency commits to full openness, often including disclosures that could be sensitive or challenging. The Importance of Transparency in Modern Business Builds consumer trust and loyalty Enhances brand reputation Encourages supplier accountability Supports compliance with international standards and regulations Drives sustainable and ethical practices Challenges of Implementing Radical Transparency Revealing sensitive supplier information Potential exposure to criticism or legal repercussions Managing complex supply chain data Balancing transparency with competitive advantages Despite these challenges, Unilever's commitment to radical transparency demonstrates a strategic belief that openness ultimately benefits all stakeholders. Unilever's Commitment to Supply Chain Transparency Unilever, one of the world's largest consumer goods companies, has long prioritized responsible sourcing and sustainability. Recently, it has stepped further by embracing radical transparency across its entire supply chain. Historical Context and Evolution Unilever's sustainability journey began with initiatives like the Unilever Sustainable Living Plan (USLP), launched in 2010, which set ambitious targets for reducing environmental impact and improving social conditions. Over time, the company recognized that transparency was essential to truly meet these goals, leading to more comprehensive disclosure practices. Core Principles Guiding Unilever's Transparency Efforts Accountability to consumers and stakeholders Verification through third-party audits and certifications Open communication about challenges and progress Collaborating with suppliers to

improve practices Key Initiatives Demonstrating Radical Transparency Unilever has launched several pioneering initiatives to embed transparency into its supply chain practices.

- 1. Supply Chain Traceability Platforms Unilever invests heavily in technology to map its supply chain from farm to shelf. By deploying advanced traceability platforms, the company can track raw materials such as palm oil, soy, and paper pulp to ensure they are sourced sustainably and ethically. Utilizes blockchain technology for immutable records Shares sourcing data publicly on platforms like the Unilever Sustainable Agriculture Initiative (USAi) Provides real-time updates on supply chain status and sustainability metrics
- 2. Public Disclosure of Supplier Information Unilever publishes detailed lists of its suppliers, including farm names, locations, and compliance statuses. This openness allows consumers and watchdog organizations to scrutinize the company's sourcing practices.
- 3. Transparency in Environmental and Social Impact Data The company regularly releases reports that include data on water usage, carbon emissions, and labor conditions within its supply chain. These reports often include third- 3 party audits and verification results.
- 4. Open Dialogues and Stakeholder Engagement Unilever hosts forums, webinars, and community engagements to discuss supply chain issues openly. Feedback from NGOs, local communities, and consumers influences ongoing improvements.

Impact of Radical Transparency on Unilever's Business Embracing radical transparency has tangible benefits for Unilever, positioning it as a leader in sustainable and ethical business practices.

- Enhanced Consumer Trust** Modern consumers are increasingly conscious of the origins of their products. By openly sharing supply chain information, Unilever fosters trust that its products are responsibly sourced, which translates into brand loyalty.
- Improved Supplier Relationships** Transparency encourages suppliers to adopt better practices, knowing they are subject to public scrutiny. This leads to higher standards across the supply chain.
- Risk Mitigation** Open disclosure helps Unilever identify and address issues proactively, reducing the risk of scandals related to unethical practices or environmental violations.
- Competitive Advantage** As sustainability becomes a differentiator, Unilever's radical transparency sets it apart from competitors, attracting ethically minded consumers and investors.

Broader Industry Implications Unilever's leadership in supply chain transparency influences the broader industry landscape.

- Setting New Standards** Other corporations are increasingly adopting similar transparency practices, recognizing the importance of stakeholder trust and regulatory compliance.
- 4 Driving Policy and Regulation Changes** Unilever's transparent practices contribute to shaping industry standards and may influence policymakers to implement stricter supply chain disclosure regulations.

Encouraging Collaborative Solutions By sharing information openly, Unilever promotes collaboration among businesses, NGOs, and governments to address global challenges like deforestation, labor rights, and climate change.

Future Outlook: The Path Toward Full Transparency Unilever's journey toward radical transparency is

ongoing. The company plans to deepen its disclosures and leverage emerging technologies such as artificial intelligence, IoT, and blockchain for even more comprehensive supply chain visibility. Goals for the Coming Years Achieve full traceability for all raw materials by 20301. Expand public disclosures to include more detailed supplier audits2. Integrate transparency metrics into product labeling and marketing3. Enhance stakeholder engagement and feedback mechanisms4. Challenges Ahead While progress is promising, Unilever must navigate ongoing obstacles like supply chain complexity, data privacy concerns, and balancing transparency with competitive secrecy. Conclusion Unilever's embrace of radical transparency within its supply chain marks a significant shift in corporate responsibility and sustainability. By openly sharing sourcing practices, environmental impacts, and social conditions, the company demonstrates that transparency can be a powerful tool for positive change. This approach not only strengthens consumer trust and supplier accountability but also sets a benchmark for the entire industry to follow. As global supply chains become more interconnected and scrutiny intensifies, Unilever's leadership in transparency will likely serve as a model for ethical, sustainable business practices in the decades to come. QuestionAnswer 5 How is Unilever implementing radical transparency within its supply chain? Unilever is adopting comprehensive disclosure practices by mapping its entire supply chain, sharing supplier information publicly, and actively engaging stakeholders to promote accountability and sustainable practices across all levels. What are the benefits of Unilever's move towards radical transparency in its supply chain? The benefits include enhanced trust with consumers, improved supplier accountability, reduced risk of unethical practices, and the promotion of sustainable sourcing that aligns with global environmental and social standards. How does radical transparency impact Unilever's relationships with suppliers? It fosters stronger collaboration, encourages suppliers to adopt better practices, and motivates them to meet higher sustainability standards, ultimately leading to a more resilient and ethically responsible supply chain. What challenges does Unilever face in embracing radical transparency in its supply chain? Challenges include managing sensitive supplier data, ensuring accuracy and consistency of disclosures, potential resistance from suppliers, and balancing transparency with competitive confidentiality. Are consumers and investors responding positively to Unilever's transparency initiatives? Yes, many consumers and investors view Unilever's transparency efforts as a sign of corporate responsibility, which can enhance brand loyalty and attract socially conscious investment, strengthening the company's market position. Unilever and Its Supply Chain Embracing Radical Transparency In recent years, the global business landscape has undergone a seismic shift toward greater accountability, ethical practices, and sustainability. Among the trailblazers leading this transformation is Unilever, one of the world's largest consumer goods companies. Its bold move to embrace radical transparency within its supply chain marks a significant departure from traditional

corporate opacity, signaling a new era of trust, accountability, and sustainability in global commerce. This article delves into Unilever's journey towards supply chain transparency, examining the motivations, strategies, challenges, and broader implications of this pioneering approach.

--- Understanding Radical Transparency in Supply Chains

Before exploring Unilever's specific initiatives, it's crucial to define what "radical transparency" entails within the context of supply chains. Unlike traditional transparency efforts that might involve periodic reporting or disclosures, radical transparency aims for full, real-time openness about sourcing, manufacturing practices, labor conditions, environmental impact, and corporate governance. Key features of radical transparency include:

- Full disclosure of supply chain data: Sharing detailed information about suppliers, production sites, and sourcing locations.
- Real-time monitoring: Utilizing technology such as blockchain, IoT, and AI to provide up-to-date insights.
- Stakeholder engagement: Inviting consumers, NGOs, regulators, and local communities into the conversation.
- Accountability and corrective action: Ensuring transparency is coupled with tangible responses to issues uncovered. This comprehensive approach fosters trust, mitigates risks, and aligns corporate operations with broader social and environmental goals.

--- Unilever's Motivation for Embracing Radical Transparency

Unilever's commitment to transparency is rooted in multiple compelling motivations:

1. Responding to Consumer Demand: Modern consumers are increasingly conscious about the origins of the products they purchase. They seek brands that demonstrate ethical sourcing, sustainability, and social responsibility.
2. Addressing Supply Chain Risks: Global supply chains are complex and often opaque, making them susceptible to issues such as labor exploitation, environmental degradation, and fraud. By embracing transparency, Unilever aims to identify and mitigate these risks proactively.
3. Meeting Regulatory and NGO Expectations: Regulators worldwide are imposing stricter standards on supply chain disclosures. NGOs and advocacy groups also call for more openness to combat issues like deforestation, child labor, and human rights abuses.
4. Aligning with Corporate Sustainability Goals: Unilever's Sustainable Living Plan emphasizes responsible sourcing, reducing environmental footprint, and improving livelihoods. Transparency is a cornerstone to measuring progress and ensuring accountability.

--- Strategies and Initiatives in Unilever's Transparency Journey

Unilever's approach to supply chain transparency combines technological innovation, stakeholder engagement, and corporate governance reforms. Here, we explore some of its key initiatives:

1. Publicly Sharing Supply Chain Data: Unilever has committed to publishing detailed information about its suppliers and sourcing practices. This includes:

 - Supplier lists: Providing transparency about the geographic locations and identities of key suppliers.
 - Sustainability standards: Publishing supplier audits, compliance

reports, and corrective action plans. – Traceability tools: Developing platforms that enable consumers and partners to trace products back to their source.

2. Leveraging Technology for Real-Time Monitoring Technology plays a crucial role in Unilever's transparency efforts: – Blockchain: Unilever has piloted blockchain-based platforms to securely record and verify transactions across the supply chain, enhancing traceability. – Internet of Things (IoT): Sensors monitor environmental conditions, labor conditions, and product quality at various stages. – Artificial Intelligence (AI): AI algorithms analyze large datasets to identify anomalies, risks, and non-compliance issues.

3. Engaging Stakeholders and Civil Society Unilever actively involves stakeholders through:

- Collaborative initiatives: Participating in multi-stakeholder platforms like the Consumer Goods Forum and the Ethical Trading Initiative.
- Transparency portals: Launching dedicated websites and digital tools that allow consumers and NGOs to access supply chain information.
- Feedback mechanisms: Encouraging whistleblowing, community reporting, and consumer inquiries to identify issues quickly.

4. Implementing Transparent Sourcing Policies Unilever's sourcing policies prioritize:

- Deforestation-free supply chains: Committing to zero deforestation in commodities like palm oil, soy, and paper.
- Fair labor practices: Enforcing strict supplier codes of conduct aligned with the UN Guiding Principles on Business and Human Rights.
- Environmental sustainability: Setting targets for reducing greenhouse gas emissions, water use, and waste across supply chain operations.

--- Challenges and Criticisms of Radical Transparency While Unilever's initiatives are laudable, pursuing radical transparency is fraught with challenges:

1. Data Privacy and Proprietary Information Sharing detailed supply chain data risks exposing sensitive business information, potentially undermining competitive advantage. Balancing transparency with confidentiality remains a delicate act.
2. Complexity of Global Supply Chains Unilever's vast network spans thousands of suppliers across dozens of countries. Achieving full traceability and real-time monitoring at this scale requires immense resources and technological infrastructure.
3. Potential for Backlash and Misinterpretation Transparency can expose flaws or past misconduct, risking reputational damage. Additionally, misinterpretation or misrepresentation of data by third parties can lead to misinformation.
4. Supplier Engagement and Capacity Building Small-scale suppliers may lack the capacity or resources to meet transparency standards, necessitating significant support and capacity-building efforts.
5. Ensuring Authenticity and Preventing Greenwashing There's a risk that transparency efforts could be used as marketing tools rather than genuine accountability measures, leading to accusations of greenwashing.

--- Broader Implications for the Industry and Society Unilever's embrace of radical transparency extends beyond its corporate boundaries, influencing industry standards and societal expectations.

1. Setting Industry Benchmarks As one of the world's leading consumer goods

companies, Unilever's initiatives serve as a model for peers. Increased transparency may push competitors to adopt similar practices, elevating industry-wide accountability.

2. Promoting Ethical and Sustainable Practices Transparency pressures suppliers and partners to adhere to higher standards, fostering sustainable agricultural practices, fair labor conditions, and environmental stewardship.

3. Empowering Consumers and Civil Society Access to detailed supply chain information empowers consumers to make informed choices and advocate for change. Civil society organizations can leverage this data to hold corporations accountable.

4. Influencing Policy and Regulation Unilever's transparency efforts can inform policymakers, encouraging the development of regulations that mandate disclosure and accountability across industries.

--- Case Studies and Examples Several specific initiatives exemplify Unilever's commitment:

- The Palm Oil Transparency Initiative: Unilever publishes detailed maps of its palm oil supply chain, working with NGOs to verify sourcing and eliminate deforestation.
- The Sustainable Living Plan: The company reports annually on progress toward transparency and sustainability goals, openly discussing challenges and setbacks.
- Supplier Engagement Programs: Unilever conducts regular audits and collaborates with suppliers to improve practices, sharing findings publicly where appropriate.

--- Future Outlook and Recommendations Unilever's journey toward supply chain transparency is ongoing, and its future strategies may involve:

- Scaling technological solutions: Expanding blockchain and IoT deployment for comprehensive real-time monitoring.
- Enhancing stakeholder collaboration: Building stronger partnerships with NGOs, governments, and local communities.
- Standardizing reporting frameworks: Aligning with global standards such as the UN Sustainable Development Goals (SDGs) and the Global Reporting Initiative (GRI).
- Addressing remaining gaps: Focusing on smallholder farmers and informal suppliers to ensure inclusivity.

Recommendations for Unilever and other corporations include:

- Maintaining a balance between transparency and confidentiality to protect business interests.
- Investing in capacity-building for suppliers and partners.
- Developing clear communication strategies to prevent misinterpretation of data.
- Continually reassessing and updating transparency practices to reflect technological advances and societal expectations.

--- Conclusion Unilever's commitment to radical transparency within its supply chain exemplifies a transformative approach to corporate accountability. By openly sharing detailed, real-time data and engaging stakeholders across the spectrum, the company not only enhances its reputation but also pushes the boundaries of responsible business practices. While challenges remain, Unilever's initiatives set a compelling precedent for the industry, illustrating that transparency—when genuine and comprehensive—can be a powerful tool for fostering sustainability, ethical conduct, and consumer trust in a complex global economy. As more companies follow suit, the collective movement toward radical transparency holds

the potential to reshape supply chains worldwide, making them more ethical, sustainable, and resilient for future generations. Unilever, supply chain, transparency, sustainability, corporate social responsibility, ethical sourcing, supply chain management, responsible sourcing, transparency initiatives, stakeholder engagement

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the world today faces global competition the supply chain is a vital part of the globalization process presenting a global view of the scope and complexity of supply chain management this book reflects the rapid change that has taken place within the supply chain and its environment this third edition has been fully updated with recent changes in concepts technology and practice integration and collaboration are keywords in future competition firms must be agile and lean at the same time the book gives an insightful overview of the conceptual foundations of the global supply chain as well as current examples of the best practice of managing supply chains in a global context

deliver unprecedented customer value and seize your competitive edge with a transformative digital supply network digital tech has disrupted life and business as we know it and supply chain management is no exception but how exactly does digital transformation affect your business what are the breakthrough technologies and their capabilities you need to know about how will digital transformation impact skills requirements and work in general do you need to completely revamp your understanding of supply chain management and most importantly how do you get started digital supply networks provides clear answers to these and many other questions written by an experienced team comprised of deloitte consultants and leading problem driven scholars from a premier research university this expert guide leads you through the process of improving operations building supply networks increasing revenue reimagining business models and providing added value to customers stakeholders and society you ll learn everything you need to know about stages of development roles capabilities and the benefits of dsn big data analytics including its attributes security and authority machine learning artificial intelligence blockchain robotics and the internet of things synchronized planning intelligent supply and digital product development vision attributes technology and benefits of smart manufacturing dynamic logistics and fulfillment a playbook to guide the digital transformation journey drawing from real world experience and problem driven academic research the authors provide an in depth account of the transformation to digitally connected supply networks they discuss the limitations of traditional supply chains and the underlying capabilities and potential of digitally enabled supply flows the chapters burst with expert insights and real life use cases grounded in tomorrow s industry needs success in today s hyper competitive fast paced business landscape characterized by the risk of black swan events such as the 2020 covid 19 global pandemic requires the reimagining and the digitalization of complex demand supply systems more collaborative and connected processes and smarter more dynamic data driven decision making which can only be achieved through a fully integrated digital supply network

reporting on cutting edge research in production distribution and transportation the supply chain in manufacturing distribution and transportation modeling optimization and applications provides the understanding needed to tackle key problems within the supply chain viewing the supply chain as an integrated process with regard to tactical

written by business leaders for business leaders this book explores successful supply chain improvement requirements and improvement methodologies along with their strengths and limitations it covers the use of these techniques in a story about twin city manufacturing a fictitious company based on the authors actual experiences the principles

ebook managing operations across the supply chain

due to the growing importance of global interdependencies corporate social responsibility has become an important issue both for the business and the entire society customers expect corporate social responsibility and if an organization is insensitive to these issues it runs the risk of losing its key customers the interaction and integration of corporate social responsibility and supply chain management have led to the emergence of sustainable supply chain management this book is a comprehensive study that deals with the subject of collaboration with suppliers considering the csr guidelines it presents new research about suppliers their importance in supply chains and in the context of social responsibility and acts as a new source of content that fills the gap in this area it may be of interest to researchers interested in csr as well as supply chains business relations and broadly understood collaboration it provides knowledge to many recipients including scientists and researchers advanced students and graduates the open access version of this book available at taylorfrancis com has been made available under a creative commons attribution non commercial no derivatives cc by nc nd 4 0 license any third party material in this book is not included in the oa creative commons license unless indicated otherwise in a credit line to the material please direct any permissions enquiries to the original rightsholder the publication has been supported by a grant from the faculty of management and social communication under the strategic programme excellence initiative at jagiellonian university

scm is a rapidly emerging paradigm that is transforming the organisation of business operations as firms seek ever new and innovative ways of finding

the elusive mantra of competitive advantage little work to date has been undertaken on the creative sector this e book hopes to address this by offering some interesting and informative exploratory work in different areas of the sector one aim was to offer some insights and lessons that could be drawn on by the wider business community

in the current business landscape many business firms compete in one project and cooperate in another related project and they do so at the same time even more interesting is that certain members of these firms are involved in both projects this book examines this new business landscape *résumé de l'ordre*

breakthrough best practices in global supply chain management from world class practitioners for all supply chain decision makers professionals and students improve financial and operational performance manage risk and ensure continuity drive value through deeper integration optimize logistics cost and customer responsiveness hire and develop world class talent this book brings together advanced supply chain practices that yield significant enduring business advantage it reflects extensive collaboration between industry pioneers and the university of tennessee global supply chain institute gsci a leading source of best practice knowledge for global supply chain management building on gsci's deep industry partnerships this book's techniques take you far beyond the past decade's advances you'll find new approaches to managing risk integration talent distribution purchasing logistics and more all extensively vetted by leading executives the authors fully explain each technique its rationale advantages and challenges and how pioneering organizations have implemented it the world will look radically different in five years if you want your supply chain to deliver competitive advantage tomorrow you need to prepare today this book shows you what to do and how to get there in recent years practically everyone's supply chain has become more sophisticated to gain competitive advantage from your supply chain in the future you'll have to do even more the supply chain game changers identifies powerful new ways to drive value in complex global supply chains shows how pioneers are succeeding with these innovations and helps you make them work in your environment the authors first discuss ten trends impacting global supply chains today and preview emerging drivers of change through 2025 reflecting these changes they share new best practices for managing global supply chains evolving supply networks and accounting for economics politics infrastructure and competence next the authors drill down to offer detailed guidance on several crucial aspects of supply chain management you'll discover new ways to identify prioritize and mitigate risk balance cost and customer responsiveness through advanced

distribution centers integrate purchasing and logistics more effectively and attract and develop world class talent the book concludes with the authors top ten actions for creating tomorrow s world class supplychain practical tools for assessing where you stand and detailed guidance for creating your new action plan

the authors identify key emerging trends and drivers in supply chain management introduce powerful new strategies for redesigning supply chains and present comprehensive global case studies showing how nortel and general motors have transformed their own supply chains to optimize value and drive out costs

agile strategic supply chain management is a key competitive necessity in today s no room for error business arena and few organizations have acquired more knowledge and demonstrated better results than the team at global management consultancy pittiglio rabin todd and mcgrath prtm in the breakthrough reference strategic supply chain management two of prtm s leading consultants in this practice explain everything that corporate decision makers need to know to create value and competitive advantage from their supply chains

fully grasp the core principles of logistics distribution management and the supply chain in addition to emerging trends and the latest technologies with this definitive guide that offers clear and straightforward explanations the handbook provides practitioners and students with a complete step by step overview of the many different aspects of setting up managing and optimizing supply chains designed to offer a full appreciation of how supply chains are planned and operated it is structured logically and delves into topics in more clarity and detail than disparate collections of research papers integrating both strategic and tactical insights this textbook is underpinned throughout by real world data and worked examples that bring the concepts to life the seventh edition offers updates and solutions designed to meet the challenges faced by those studying and working in the sector new coverage of future supply chain related technologies including artificial intelligence data analytics digital twins and autonomous mobile robots and how these can be used to optimize operations and increase productivity online resources including lecture slides tables images and formulae from the text acronyms and abbreviations and infographics written by an author team with extensive practical experience in some of the most challenging environments across the world this seminal text is an invaluable resource for both practitioners and students providing a useful desk reference for topics across the wide ranging

and vitally important fields of logistics and the supply chain

supply chain analysis a handbook on the interaction of information system and optimization is a carefully developed work focused on the analysis of supply chain interaction issues in emerging markets and industry sectors it is a leading edge handbook that will emphasize where little work has been done and where the rubber meets the road the supply chain process information and systems integration these are pertinent issues facing practitioners and researchers in today s business environment this is a gap bridging handbook that analyzes interaction issues from both the research and practitioner sides the result is a volume that examines and provides practical solutions on interaction issues while being firmly grounded in research principles an outstanding team of editors chris tang is well known and highly regarded in the area of supply chain management he is both a department chairman and the edward carter professor of business administration at ucla anderson school professor wei is the dean of the faculty of business at the city university of hong kong and is an eminent scholar in the area of information technology professor teo has extensive experience in the area of supply chain management and optimization and he is with the nus business school at the national university of singapore

note the cissp objectives this book covered were issued in 2018 for coverage of the most recent cissp objectives effective in april 2021 please look for the latest edition of this guide isc 2 cissp certified information systems security professional official study guide 9th edition isbn 9781119786238 cissp isc 2 certified information systems security professional official study guide 8th edition has been completely updated for the latest 2018 cissp body of knowledge this bestselling sybex study guide covers 100 of all exam objectives you ll prepare for the exam smarter and faster with sybex thanks to expert content real world examples advice on passing each section of the exam access to the sybex online interactive learning environment and much more reinforce what you ve learned with key topic exam essentials and chapter review questions along with the book you also get access to sybex s superior online interactive learning environment that includes six unique 150 question practice exams to help you identify where you need to study more get more than 90 percent of the answers correct and you re ready to take the certification exam more than 700 electronic flashcards to reinforce your learning and give you last minute test prep before the exam a searchable glossary in pdf to give you instant access to the key terms you need to know for the exam coverage of all of the exam topics in the book means you ll be ready for security and risk management asset security security engineering communication and network security identity and access management security assessment and testing security operations software development security

the growing power being exercised by today's consumer is causing significant paradigm shifts away from traditional marketing. This is leading to a whole new take on the structure and functioning of supply chain management (SCM). It's no longer so much about improving the manufacturing process as it is improving the point and speed of contact and th

essay from the year 2012 in the subject business economics supply production logistics grade a lillehammer university college molde college language english abstract the bullwhip effect is a central phenomenon of supply chain management arising out of the dynamic processes of the supply chain 6 it describes that different demand patterns and even small changes in consumer demand can lead to fluctuations in order volumes which can rise along the chain this means there are small changes at the end consumer but as one moves up the supply chain to the manufacturer it can lead to large variations as shown in figure 1 10 as every organization attempts to solve its problem from its own perspective the network oscillates in large swings 10 10 quickmba 2010 accessed 09 09 2012 quickmba com ops bullwhip effect

Supply chain management is a key topic for a large variety of strategic decision problems. It is essential in making efficient decisions related to the management of inventory and the delivery of final products to customers. The focus of this book is the understanding of the supply chain taxonomy, the different levels of decision and the impact of one level on another. Depending on the modeling of the addressed objectives, the authors explore the potential problems that can be addressed within the supply chain such as the inventory, the transportation and issues of holding and find applications in numerous fields of study from cloud computing and networking through to industrial sciences. The reader can find each issue described and its positioning in the supply chain determined. A computer science framework is also developed to show how the use of electronic platforms can aid in the handling of these potential problems.

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