

The Digital Supply Chain

How Advanced Technologies, AI and Analytics Are Changing Supply Chains

The Digital Supply Chain: How Advanced Technologies, AI and Analytics are Changing Supply Chains, Second Edition is a thorough investigation of the underpinning technologies, systems, platforms, and models that enable the design, management, and control of digitally connected supply chains. The book examines the origin, emergence, and building blocks of the Digital Supply Chain, showing how and where the virtual and physical supply chain worlds interact. It reviews the enabling technologies that underpin digitally controlled supply chains and examines how the discipline of supply chain management is affected by enhanced digital connectivity, discussing purchasing and procurement, supply chain traceability, cybersecurity, and more. The fully updated second edition maintains the core introductory and foundational elements but also addresses many recent developments, such as AI and cloud-based systems, forecasting and demand sensing, digital compliance and cyber-security. It examines how digital connectivity continues to develop, affecting all aspects of supply chain management, from supply chain design and configuration to purchasing and procurement and the management of compliance, sustainability and performance. The state of digital adoption across multiple sectors is examined, including consumer and retail products, food, pharma, textiles and clothing, and the auto-industry.

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