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Titolo	Global Supply Chain and Operations Management : A Decision-Oriented Introduction to the Creation of Value // by Dmitry Ivanov, Alexander Tsipoulanis, Jörn Schönberger
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Altri autori (Persone)	TsipoulanisAlexander SchönbergerJö
Disciplina	658.7
Soggetti	Production management Operations research Business logistics Operations Management Operations Research and Decision Theory Supply Chain Management
Lingua di pubblicazione	Inglese
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Nota di contenuto	Basics of Supply Chain and Operations Management -- Examples from Different Industries, Services, and Continents -- Processes, Systems, and Models -- Operations and Supply Chain Strategy -- Sourcing Strategy -- Production Strategy -- Facility Location Planning and Network Design -- Distribution and Transportation Network Design -- Factory Planning and Process Design -- Layout Planning -- Demand Forecasting -- Production and Material Requirements Planning -- Inventory Management -- Routing and Scheduling -- Supply Chain Risk Management and Resilience -- Digital Supply Chain, Smart Operations and Industry 4.0 -- Pricing and Revenue-Oriented Capacity Allocation -- Yield Management.
Sommario/riassunto	The fourth edition of this textbook offers a structured introduction to global supply chain and operations management (SCOM), combining value creation networks and operational processes. It explains quantitative and organizational methods for planning and control of

material, information, and financial flows in supply chains. Each chapter begins with an introductory case study, while numerous examples from various industries and services help to illustrate the key concepts. The book explains how to design operations and supply networks and collaborate with suppliers and customers. It shows how to balance supply and demand, a core aspect of tactical planning, before turning to the allocation of resources to meet customer needs. In addition, the book covers some advanced topics in SCOM, such as supply chain resilience, sustainability, Industry 4.0, artificial intelligence, and digital twins. Providing readers with a working knowledge of global supply chain and operations management, with a focus on bridging the gap between theory and practice, this textbook can be used in core, specialized, and advanced classes alike. It is intended for a broad range of students and professionals in supply chain and operations management.
