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	Soggetti	Energy policy
		Energy and state
		Engineering economics
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		Manufactures
		Automotive engineering
		Industrial management—Environmental aspects
		Energy Policy, Economics and Management
		Engineering Economics, Organization, Logistics, Marketing Industrial Organization
		Manufacturing, Machines, Tools, Processes
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	Lingua di pubblicazione	
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	Livello bibliografico	Monografia
	Note generali	Description based upon print version of record.
	Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
	Nota di contenuto	Introduction Energy Performance Analysis: Stochastic Frontier Analysis (SFA) and Data Envelopment Analysis (DES) for Energy Performance Analysis Energy Decision-Making 1: Strategic Planning of Sustainable Manufacturing Projects based on Stochastic Programming Energy Decision-Making 2: Demand Response Option Contract Decision based on Stochastic Programming Pattern-based Energy Consumption Analysis by Chaining Principle Component

	Analysis and Logistic Regression Ontology-enabled Knowledge Management in Environmental Regulations and Incentive Policies Energy Simulation Using EnergyPlusTM for Building and Process Energy Balance Energy Management Process for businesses Energy Efficiency Accounting to Demonstrate Performance.
Sommario/riassunto	This book introduces the issues and problems that arise when implementing smart energy management for sustainable manufacturing in the automotive manufacturing industry and the analytical tools and applications to deal with them. It uses a number of illustrative examples to explain energy management in automotive manufacturing, which involves most types of manufacturing technology and various levels of energy consumption. It demonstrates how analytical tools can help improve energy management processes, including forecasting, consumption, and performance analysis, emerging new technology identification as well as investment decisions for establishing smart energy consumption practices. It also details practical energy management systems, making it a valuable resource for professionals involved in real energy management processes, and allowing readers to implement the procedures and applications presented.