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Descrizione fisica	1 online resource (284 p.)
Collana	International Series in Operations Research & Management Science, , 0884-8289 ; ; 229
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Soggetti	Operations research Decision making Production management Management science Operations Research/Decision Theory Operations Management Operations Research, Management Science
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Material Optimization in Web Manufacturing -- Optimization in PCB Manufacturing -- A Statistical Procedure for Minimizing In Vivo Tests for Quality Control of Vaccines -- Plant Loading and Dispatch Planning -- Deckle Optimization in Paper Industry -- A Scientific Tool for Workforce Management in PBO Companies -- Intelligent Modeling and Practical Solutions -- Modelling Optimum Utilization of Irrigation Resources -- Statistics for Measuring Tyre Contact Patch -- A Case Study That Lead To New Designs.
Sommario/riassunto	This book includes case studies that examine the application of operations research to improve or increase efficiency in industry and operational activities. This collection of "living case studies" is all based on the author's 30-year career of consulting and advisory work. These true-to life industrial applications illustrate the research and development of solutions, as well as potential implementation and integration problems that may occur when adopting these methods into

a business. Among the topics covered in the chapters include optimization in circuit board manufacturing, Decision Support System (DSS) for plant loading and dispatch planning, as well as development of important test procedures for tyre and pharma industry with shelf life constraints. In particular, the study on deckle optimization should be of great help to managers in paper industry and consultants for development of deckle optimization software. The application of operations research throughout the industry makes it an ideal guide for industrial executives, professionals and practitioners responsible for quality and productivity improvement.
