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| Nota di contenuto       | Introduction -- The Looming Danger: Mismanaging Risk -- Dynamic Complexity: The Cancer of Business -- The Loose Cubic Dilemma -- Meeting Business Targets and Constraints -- the Basics of Universal Risk Management -- the Challenge: Escaping the Tunnel Vision, Identifying the Best Path and Evaluating the Reward -- Analytical vs. Numerical Solutions -- Using X-act OBC Platform for Risk Management -- Predictive and Prescriptive Risk Management -- The Predictive Estimation of Dynamic Complexity -- Identifying the Cure for Dynamic Complexity: Improve, Transform or Disrupt? -- X-Act OBC Platform Metrics Guide the Disruption Decision -- The Prescriptive Analysis: The Three + One Rule -- Getting Started with Universal Risk Management |

-- X-Act OBC Platform Walk Through -- Using X-Act OBC Platform for Predictive Diagnosis and Prescriptive Treatment of Risk -- Case #1: Managing Corporate Risk, Global Payment Card Processing Company. - Case # 2: Managing Market Erosion Risk, Postal Services.- Case #3: Managing Operational Risk, Global Supply Chain.- Case #4: Managing Risk of Cost Escalation and Service Quality Degradation, National Healthcare Services.- Case #5: Managing Risk of Corporate Integration, Global Financial Institution.- Making a Commitment to Maturing Risk Management -- Index.

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## Sommario/riassunto

Globalization trends and the rapid pace of technological innovations have introduced unprecedented change and uncertainty. For unprepared businesses, the drivers of the Fourth Industrial Revolution will become a constant source of surprise and crises will unfold at an ever-increasing rate. To thrive under these conditions, companies must adopt new risk management technologies and practices that enable business leaders to better anticipate and adjust to changing dynamics. This book helps readers understand how algorithm-based predictive and prescriptive analytics principles can be used to control risk in today's dynamic business environment. It serves as a reference guide for business leaders and risk management practitioners of companies that are global in reach or operate dynamically complex systems. Using the technological and scientific innovations presented in this book, business leaders can gain a wider understanding of risk and prescriptively determine which actions are necessary to ensure the business is optimally positioned to meet its stated long-term goals and objectives. Case studies show how the presented methods can be practically applied to preemptively expose risks and support decisions to optimize, transform or disrupt current business models, strategies, organizational structure and information systems when necessary to maintain a market position or outperform competitors. These methods have been proven through hundreds of client cases. By using mathematical emulation to link business risks to strategic imperatives, it becomes possible to achieve a higher annual profit margin and better growth. As we enter the Fourth Industrial Revolution, companies that are able to expose risks caused by dynamic complexity and maintain the alignment between the goals of the business and operational execution will be better prepared to make the shifts necessary for long-term success and keep the business moving toward its goals. .

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