. Record Nr.	UNINA9910459062303321
Titolo	Resilience engineering in practice [[electronic resource]] : a guidebook / / edited by Erik Hollnagel [et al.]
Pubbl/distr/stampa	Farnham, Surrey, England ; ; Burlington, VT, : Ashgate, 2010
ISBN	1-315-60569-4 1-317-06525-5 1-282-90724-7 9786612907241 1-4094-1036-6
Edizione	[1st edition]
Descrizione fisica	1 online resource (363 p.)
Collana	Ashgate studies in resilience engineering
Altri autori (Persone)	HollnagelErik <1941->
Disciplina	620/.00452
Soggetti	Reliability (Engineering) Fault tolerance (Engineering) Electronic books.
Lingua di pubblicazione	Inglese
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	Cover; Contents; List of Figures; List of Tables; List of Contributors; Prologue: The Scope of Resilience Engineering by Erik Hollnagel; PART I Dealing with the Actual; Chapter 1 Resilience and the Ability to Respond; Chapter 2 Lessons from the Hudson; Chapter 3 Coping with Uncertainty. Resilient Decisions in Anaesthesia; Chapter 4 Training Organisational Resilience in Escalating Situations; PART II Dealing with the Critical; Chapter 5 Monitoring - A Critical Ability in Resilience Engineering; Chapter 6 From Flight Time Limitations to Fatigue Risk Management Systems - A Way Toward Resilience Chapter 7 Practices for Noticing and Dealing with the Critical. A Case Study from MaintenanceChapter 8 Cognitive Strategies in Emergency and Abnormal Situations Training; PART III Dealing with the Potential; Chapter 9 Resilience and the Ability to Anticipate; Chapter 10 Basic Patterns in How Adaptive Systems Fail; Chapter 12 The Art of Balance: Using Upward Resilience Traits to Deal with Conflicting Goals; Chapter 13 The Importance of Functional Interdependencies in

1.

	Financial Services Systems
	PART IV Dealing with the FactualChapter 14 To Learn or Not to Learn, that is the Question; Chapter 15 No Facts, No Glory; Chapter 16 From Myopic Coordination to Resilience in Socio-technical Systems; Chapter 17 Requisites for Successful Incident Reporting in Resilient Organisations; Chapter 18 Is the Aviation Industry Ready for Resilience? Mapping Human Factors Assumptions; Epilogue: RAG - The Resilience Analysis Grid by Erik Hollnagel; Bibliography; Author Index; Subject Index
Sommario/riassunto	Resilience engineering has since 2004 attracted widespread interest from industry as well as academia. Practitioners from various fields, such as aviation and air traffic management, patient safety, off-shore exploration and production, have quickly realised the potential of resilience engineering and have became early adopters. The continued development of resilience engineering has focused on four abilities that are essential for resilience. These are the ability a) to respond to what happens, b) to monitor critical developments, c) to anticipate future threats and opportunities, and d) to le