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Autore	Gonzalez Velazquez Jorge Luis
Titolo	Mechanical Integrity and Risk-Based Inspection of Process Equipment, Piping and Pipelines // by Jorge Luis Gonzalez-Velazquez
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ISBN	9783031614798
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (239 pages)
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Disciplina	665.544
Soggetti	Mechanical engineering Production engineering Building materials Materials science Mechanical Engineering Mechanical Process Engineering Structural Materials Materials Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1. Design and Construction of Pipes and Process Equipment -- Chapter 2. Deterioration and Damage Mechanisms in Mechanical Components -- Chapter 3. Mechanical Integrity -- Chapter 4. Risk Based Inspection -- Chapter 5. Pipeline Integrity Management.
Sommario/riassunto	This book explores Mechanical Integrity (MI) and Risk-Based Inspection (RBI) methodologies, specifically tailored for professionals in chemical, petrochemical, and petroleum refining plants. It starts with foundational aspects of equipment and pipe design and manufacturing within the process industry, followed by an introduction to prevalent damage mechanisms in metal components during service. The book then delves into the general methodology for mechanical integrity analysis, covering remaining life estimation and methods for assessing common defects found in in-service components. It further introduces the principles and overall methodology of Risk-Based Inspection, detailing approaches for evaluating Probability of Failure and Consequences, along with the application of risk matrices to formulate

Inspection-Based Risk (IBR) plans. Lastly, it directs attention to the practical implementation of MI and IBR methodologies for managing the integrity of pipelines transporting liquid and gaseous hydrocarbons, aligned with API codes and ASME standards, offering a comprehensive example illustrating the development of an integrity management plan for a real-life pipeline. Through this structured approach, professionals can gain actionable strategies and insights essential for ensuring the safety and reliability of industrial plants and pipelines.

2. Record Nr.	UNIORUON00082301
Autore	Zayyd, Tawfq
Titolo	Diwan Tawfiq Zayyad / Tawfiq Zayyad
Pubbl/distr/stampa	Bayrut, : Dar al- Awda, 1970
Descrizione fisica	628 p. ; 17 cm
Classificazione	PAL VI BAY
Soggetti	POESIA PALESTINESE POETI PALESTINESI
Lingua di pubblicazione	Arabo
Formato	Materiale a stampa
Livello bibliografico	Monografia