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Sommario/riassunto	This book, edited by Petrica Vizureanu, explores the concept of energy recovery within large industries and utilities globally. Through seven chapters, it delves into the theory and practical requirements of energy recovery, highlighting its significance in industrial applications. The text covers various topics, including heat recovery, solar energy potential, gasification technologies, and the use of chemical looping

processes for sustainable ammonia and hydrogen production. It emphasizes the importance of sustainable development and energy efficiency, particularly in heavy industries reliant on fossil fuels. The book targets professionals and researchers in the energy sector, aiming to provide insights into cutting-edge technologies and methods for improving energy recovery and efficiency.