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Nota di contenuto	Introduction -- Exergy – The Energy Quality -- Energetic Efficiency of flow machines -- Energetic Efficiency of Electrical Systems -- Energetic Efficiency of Boilers and Steam Systems -- Quantities to be Measured for Energetic Efficiency Tracking -- Energetic Efficiency in Oil Producing Installations -- Energetic Efficiency in Thermoelectric Plants -- Design Techniques -- Atmospheric Emissions.
Sommario/riassunto	This book explores energy efficiency solutions, offering lucid explanations coupled with actionable guidance. It is an indispensable reference for professionals such as designers, analysts, and individuals keen on mastering energy efficiency. It starts with an introduction to the foundational principles of thermodynamics and energy efficiency, setting the stage for deeper comprehension of subsequent topics. It further elucidates the concept of exergy, shedding light on the measurement of energy quality and its significance in energy efficiency evaluations. A pivotal focus of the book is on the Energy Return on

Investment (EROI) and its implications for the competitive landscape of oil production. Readers will gain valuable insights into the integral role that energy efficiency plays in enhancing the overall efficiency and profitability of oil-producing entities. The book underscores the pragmatic application of energy efficiency analyses specifically within the realm of oil production. This book is a compendium of best practices, illustrative case studies, and contemporary methodologies in energy efficiency analysis. This immersive, hands-on approach empowers designers and analysts with the requisite tools and expertise to drive optimal energy utilization in oil production facilities.