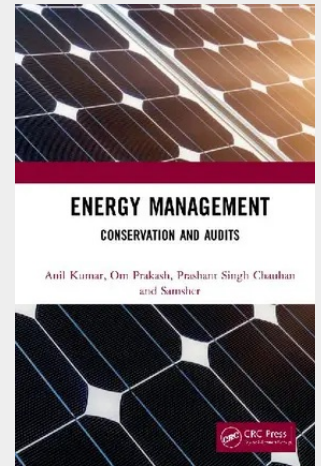


Energy Management

Conservation and Audits

Energy Management: Conservation and Audit discusses the energy scenario, including energy conservation, management, and audit, along with the methodology supported by industrial examples. Energy economics of systems has been elaborated with concepts of life cycle assessment and costing, and rate of return. Topics such as energy storage, co-generation, and waste heat recovery to energy efficiency have discussed. The challenges faced in conserving energy sources (steam and electricity) have elaborated along with the improvements in the lighting sector. Further, it covers optimization procedures for the development in the industry related to energy conservation. The researchers, senior undergraduate, and graduate students focused on Energy Management, Sustainable Energy, Renewable Energy, Energy Audits, and Energy Conservation. This book covers current information related to energy management and includes energy audit and review all the leading equipment (boilers, CHP, pumps, heat exchangers) as well as procedural frameworks (energy audits, action planning, monitoring). It includes energy production and management from an industrial perspective, along with highlighting the various processes involved in energy conservation and auditing in various sectors and associated methods. It also explores future energy options and directions for energy security and sustainability.



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