1. Record Nr. UNINA9910299590603321

Autore	Konstantin Panos
Titolo	The Power Supply Industry : Best Practice Manual for Power Generation and Transport, Economics and Trade / / by Panos Konstantin, Margarete Konstantin
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2018
ISBN	3-319-72305-7
Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (XXV, 374 p. 158 illus., 95 illus. in color.)
Disciplina	333.79 338.926
Soggetti	Energy policy Power electronics Management Industrial management Natural resources Energy Policy, Economics and Management Power Electronics, Electrical Machines and Networks Innovation/Technology Management Natural Resource and Energy Economics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Basics of Technical Thermodynamics -- Basics Techno-economics of Power System -- Thermal Power Plants Fired by Fossil Fuels -- Nuclear Power Plants -- Power Generation from Renewable Energies -- Cogeneration of Power and Heat -- Cost Allocation to Cogeneration Products -- Transmission and Distribution of Power -- Electricity Trading -- Development and Implementation of Projects -- Case Studies.
Sommario/riassunto	Power and Energy industry is a highly capital intensive business field. Furthermore there is a very close interlinkage between technologies and economics that requires engineering consultants, economists and lawyers dealing with investments in this field to have a basic knowledge of the power sector technologies and a common understanding of

project evaluation approaches and methodologies. The book's overall objective is to provide a comprehensive but concise coverage of power supply technologies and the related economics as required for techno-economic evaluation of investments in power and business projects. Throughout the book, the emphasis is on transferring practical know-how rather than pure theoretical knowledge. This is also demonstrated in numerous examples derived from experience of respective projects. The book comprises eleven chapters, 35 tables, 100 figures, 35 application examples and 10 case studies Target audience of the book are primarily international consultants, staff members of engineering companies, utility personnel, energy economists and lawyers, as well as employees of government agencies entrusted with regulating the energy and utility sector and, finally, students in related fields of engineering and economics.