1. Record Nr. UNINA9910800197003321 Autore Boicea Valentin A. Titolo Essentials of natural gas microturbines / / Valentin A. Boicea Pubbl/distr/stampa Boca Raton, FL:,: CRC/Taylor & Francis,, [2014] ©2014 **ISBN** 0-429-16925-6 1-4665-9471-3 Edizione [1st edition] Descrizione fisica 1 online resource (258 p.) Disciplina 621.43/3 621.433 Soggetti Gas-turbine power-plants Steam power plants Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references. Front Cover; Contents; Acknowledgments; Chapter 1: Gas Turbines and Nota di contenuto the Automotive Industry; Chapter 2: Natural Gas Microturbines in Distributed Generation; Chapter 3: Gas Microturbines and Pollutant Emissions Optimization; Chapter 4: Generalities on the Design of a TA-100 Natural Gas Microturbine; Chapter 5: Power Converter Circuits Used for Grid Connection; Chapter 6: Grid Measurements and General Features of a TA-100 Gas Microturbine: Chapter 7: Case Studies: Chapter 8: Market Potential for Natural Gas Microturbines in California; References; Appendix 1; Appendix 2; Appendix 3; Back Cover Addressing a field which, until now, has not been sufficiently Sommario/riassunto investigated, Essentials of Natural Gas Microturbines thoroughly examines several natural gas microturbine technologies suitable not only for distributed generation but also for the automotive industry. An invaluable resource for power systems, electrical, and computer science engineers as well as operations researchers, microturbine operators, policy makers, and other industry professionals, the book: Explains the importance of natural gas microturbines and their use in distributed

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