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Collana	Electrical engineering handbook
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Soggetti	Electric substations Electrical engineering Electronic books.
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Front Cover; Contents; Preface; Editor; Contributors; Chapter 1 - How a Substation Happens; Chapter 2 - Gas-Insulated Substations; Chapter 3 - Air-Insulated Substations: Bus/Switching Configurations; Chapter 4 - High-Voltage Switching Equipment; Chapter 5 - High-Voltage Power Electronic Substations; Chapter 6 - Interface between Automation and the Substation; Chapter 7 - Substation Integration and Automation; Chapter 8 - Oil Containment*; Chapter 9 - Community Considerations*; Chapter 10 - Animal Deterrents/Security; Chapter 11 - Substation Grounding Chapter 12 - Direct Lightning Stroke Shielding of Substations*Chapter 13 - Seismic Considerations; Chapter 14 - Substation Fire Protection; Chapter 15 - Substation Communications; Chapter 16 - Physical Security of Substations; Chapter 17 - Cyber Security of Substation Control and Diagnostic Systems; Chapter 18 - Gas-Insulated Transmission Line; Chapter 19 - Substation Asset Management; Chapter 20 - Station Commissioning and Project Closeout; Chapter 21 - Energy Storage; Chapter 22 - Role of Substations in Smart Grids; Back Cover
Sommario/riassunto	The electric power substation, whether generating station or transmission and distribution, remains one of the most challenging and

exciting fields of electric power engineering. Recent technological developments have had tremendous impact on all aspects of substation design and operation. The objective of Electric Power Substations Engineering is to provide an extensive overview of substations, as well as a reference and guide for its study. The chapters are written for the electric power-engineering professional for detailed design information, as well as for other engineering professions (e.g., mechanical, civil) who want an overview or specific information in one particular area--

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