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Titolo	Plant engineer's handbook [e-book] / edited by R. Keith Mobley
Pubbl/distr/stampa	Boston : Butterworth-Heinemann, c2001
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Descrizione fisica	xii, 1189 p. : ill. ; 28 cm
Altri autori (Persone)	Mobley, R. Keith, 1943-
Disciplina	696
Soggetti	Plant engineering - Handbooks, manuals, etc Electronic books.
Lingua di pubblicazione	Inglese
Formato	Risorsa elettronica
Livello bibliografico	Monografia
Note generali	Includes index
Nota di contenuto	Definition and Organization of the Plant Engineering Function; Plant Engineering in Britain; The Role of the Plant Engineer; Physical Considerations in Site Selection; Plant Location; Industrial Buildings; Planning and Plant Layout; Contracts and Specifications; Industrial Flooring; Lighting; Insulation; Paint Coatings for the Plant Engineer; Insurance: Plant and Equipment; Insurance: Buildings and Risks; Electricity Generation; Electrical Distribution and Installation; Electrical Instrumentation; Oil; Gas; Liquefied Petroleum Gas; Coal and Ash; Steam Utilization; Industrial Boilers; Combustion Equipment; Economizers; Heat Exchangers; Heating; Ventilation; Air Conditioning; Energy Conservation; Water and Effluents; Pumps and Pumping; Centrifugal Pump Installation; Cooling Towers; Compressed Air Systems; Compressors; Fans and Blowers; Mixers and Agitators; Gears and Gearboxes; Hydraulic Fundamentals; Pneumatic Fundamentals; Noise and Vibration; Vibration Fundamentals; Vibration Monitoring and Analysis; Air Pollution; Dust and Fume Control; Dust Collection Systems; Maintenance Management in UK; Effective Maintenance Management; Predictive Maintenance; Planning and Scheduling Outages; Lubrication; Corrosion; Shaft Alignment; Rotor Balancing; Packing and Seals; Gears and Gear Drives; Flexible Intermediate Drives; Couplings and Clutches; Bearings; Finance for the Plant Engineer; Statistical Approaches in Machinery Problem Solving; Health and Safety

Sommario/riassunto

Plant engineers are responsible for a wide range of industrial activities, and may work in any industry. This means that breadth of knowledge required by such professionals is so wide that previous books addressing plant engineering have either been limited to only certain subjects or cursory in their treatment of topics. The Plant Engineering Handbook offers comprehensive coverage of an enormous range of subjects which are of vital interest to the plant engineer and anyone connected with industrial operations or maintenance. This handbook is packed with indispensable information, from defining just what a Plant Engineer actually does, through selection of a suitable site for a factory and provision of basic facilities (including boilers, electrical systems, water, HVAC systems, pumping systems and floors and finishes) to issues such as lubrication, corrosion, energy conservation, maintenance and materials handling as well as environmental considerations, insurance matters and financial concerns. One of the major features of this volume is its comprehensive treatment of the maintenance management function; in addition to chapters which outline the operation of the various plant equipment there is specialist advice on how to get the most out of that equipment and its operators. This will enable the reader to reap the rewards of more efficient operations, more effective employee contributions and in turn more profitable performance from the plant and the business to which it contributes. The Editor, Keith Mobley and the team of expert contributors, have practiced at the highest levels in leading corporations across the USA, Europe and the rest of the world. Produced in association with Plant Engineering magazine, this book will be a source of information for plant engineers in any industry worldwide. * A Flagship reference work for the Plant Engineering series * Provides comprehensive coverage on an enormous range of subjects vital to plant and industrial engineer * Includes an international perspective including dual units and regulations
