

1. Record Nr.	UNINA9910784636203321
Titolo	Plant engineer's handbook [[electronic resource] /] / edited by R. Keith Mobley
Pubbl/distr/stampa	Boston, : Butterworth-Heinemann, c2001
ISBN	1-281-79594-1 9786611795948 0-08-053904-1
Descrizione fisica	1 online resource (1203 p.)
Altri autori (Persone)	MobleyR. Keith <1943->
Disciplina	696
Soggetti	Plant engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Front Cover; Plant Engineer's Handbook; Copyright Page; Contents; Foreword; Preface; List of Contributors; Chapter 1. Definition and Organization of the Plant Engineering Function; Chapter 2. Plant Engineering in Britain; Chapter 3. The Role of the Plant Engineer; Chapter 4. Physical Considerations in Site Selection; Chapter 5. Plant Location; Chapter 6. Industrial Buildings; Chapter 7. Planning and Plant Layout; Chapter 8. Contracts and Specifications; Chapter 9. Industrial Flooring; Chapter 10. Lighting; Chapter 11. Insulation; Chapter 12. Paint Coatings for the Plant Engineer Chapter 13. Insurance: Plant and Equipment Chapter 14. Insurance: Buildings and Risks; Chapter 15. Electricity Generation; Chapter 16. Electrical Distribution and Installation; Chapter 17. Electrical Instrumentation; Chapter 18. Oil; Chapter 19. Gas; Chapter 20. Liquefied Petroleum Gas; Chapter 21. Coal and Ash; Chapter 22. Steam Utilization; Chapter 23. Industrial Boilers; Chapter 24. Combustion Equipment; Chapter 25. Economizers; Chapter 26. Heat Exchangers; Chapter 27. Heating; Chapter 28. Ventilation; Chapter 29. Air Conditioning; Chapter 30. Energy Conservation Chapter 31. Water and Effluents Chapter 32. Pumps and Pumping; Chapter 33. Centrifugal Pump Installation; Chapter 34. Cooling Towers; Chapter 35. Compressed Air Systems; Chapter 36. Compressors; Chapter 37. Fans and Blowers; Chapter 38. Mixers and Agitators;

Chapter 39. Gears and Gearboxes; Chapter 40. Hydraulic Fundamentals; Chapter 41. Pneumatic Fundamentals; Chapter 42. Noise and Vibration; Chapter 43. Vibration Fundamentals; Chapter 44. Vibration Monitoring and Analysis; Chapter 45. Air Pollution; Chapter 46. Dust and Fume Control; Chapter 47. Dust Collection Systems Chapter 48. Maintenance Management in UKChapter 49. Effective Maintenance Management; Chapter 50. Predictive Maintenance; Chapter 51. Planning and Scheduling Outages; Chapter 52. Lubrication; Chapter 53. Corrosion; Chapter 54. Shaft Alignment; Chapter 55. Rotor Balancing; Chapter 56. Packing and Seals; Chapter 57. Gears and Gear Drives; Chapter 58. Flexible Intermediate Drives; Chapter 59. Couplings and Clutches; Chapter 60. Bearings; Chapter 61. Finance for the Plant Engineer; Chapter 62. Statistical Approaches in Machinery Problem Solving; Chapter 63. Health and Safety in the UK Chapter 64. Regulatory Compliance Issues in the USIndex

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
