

1. Record Nr.	UNINA9910855393203321
Autore	Garcia-Diaz Alberto
Titolo	Facilities Planning and Design // by Alberto Garcia-Diaz, J. MacGregor Smith(Deceased)
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031542596
Edizione	[2nd ed. 2024.]
Descrizione fisica	1 online resource (560 pages)
Altri autori (Persone)	Smith (Deceased)J. MacGregor
Disciplina	670.42
Soggetti	Industrial engineering Production engineering Dynamics Nonlinear theories System theory Control theory Facility management Industrial and Production Engineering Applied Dynamical Systems Systems Theory, Control Facility Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. FUNDAMENTAL PRINCIPLES OF FACILITIES PLANNING AND DESIGN -- Chapter 2. FACTORY LAYOUT AND MATERIAL HANDLING PROJECT -- Chapter 3. PRODUCT DESIGN AND PROCESS PLANNING -- Chapter 4. LAYOUT PLANNING PROCEDURES -- Chapter 5. FACILITY LOCATION MODELS -- Chapter 6. Computerized Layout Procedures -- Chapter 7. Material Handling Principles, Equipment, and System Design -- Chapter 8. Material Handling Systems Analysis -- Chapter 9. Storage and Warehouse Systems -- Chapter 10. SITE-PLANNING DESIGN -- Chapter 11. OFFICE LAYOUT AND PERSONNEL PLANNING -- Chapter 12. FINAL SYNTHESIS.
Sommario/riassunto	This updated, expanded, second edition includes new software methodologies and algorithms providing students with a more

comprehensive knowledge base in addition to facilitating and making the project component of the textbook more efficient and effective. It further increases emphasis on manufacturing. Retaining its class-tested pedagogy, the book is concerned with the principles of facilities planning and their application to service, business, and product manufacturing operations. Equipping undergraduate students with the fundamentals of facilities planning, design, location and material handling, especially as they apply to industrial manufacturing facilities, the book is ideal for a range of university settings offering courses on facilities planning. Features a factory design project allowing students to connect the organization, concepts, and procedures in the book; Bolsters section on facilities layout programs and adds a new section describing a conceptual approach to site planning; Includes online chapter summaries, software supplements, sample project reports, and lecture slides for instructors.
