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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Change drivers of the factory -- Planning base -- Production requirements -- Familiar production concepts -- Systematic of changeability -- Functional work place design -- Organizational work place design -- Spatial work place design -- Functional work area design -- Spatial work area design -- Building design -- Site layout master plan -- Spatial site location planning -- Strategic site location planning -- Synergetic factory planning process -- Project management -- Facility management.

This handbook introduces a methodical approach and pragmatic concept for the planning and design of changeable factories, proven in many industrial projects. In the first part, change drivers of manufacturing enterprises and the resulting new challenges are considered. The second part concerns the design of the production facilities on the different factory levels under functional, organizational, architectural and strategic aspects considering environmental, health and safety aspects. The third part is dedicated to the planning process that is based on a synergetic interaction of process and space. The accompanying project management of the planning and construction phase and the facility management for the effective utilization of the built premises close the book. The Authors Prof. em. Dr.-Ing. Hans-Peter Wiendahl has been director for 23 years of the Institute of Factory planning and Logistics at the Leibniz University of Hannover in Germany. Prof. Dipl.-Ing. Architekt BDA Jürgen Reichardt is Professor at the Muenster school of architecture in Germany, partner of RMA Reichardt – Maas – Associate Architects in Essen, Germany, and partner of BR Architects & Engineers Pvt. Ltd., (Managing Director: Architect Indranil Bhattacharya), in Bangalore, India. Prof. Dr.-Ing. habil. Peter Nyhuis is since 2003 Managing Director of the Institute of Factory Planning and Logistics at the Leibniz University of Hannover in Germany.
