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Sommario/riassunto	Years of experience in the area of Product Lifecycle Management (PLM) in industry, research and education form the basis for this overview. The author covers the development from PDM via PLM to SysLM (System Lifecycle Management) in the form commonly used today, which are necessary prerequisites for the sustainable development and implementation of IoT/IoS, Industry 4.0 and Engineering 4.0 concepts. The building blocks and properties of future-proof systems for the successful implementation of the concepts of Engineering 4.0 are thereby dedicated to holistic considerations, which also inform in detail. SysLM functions and processes in mechatronic development and design as well as across the entire product lifecycle - from requirements management to the Digital Twin - are covered as examples. SysLM trends such as low code development, cloud, disruptive business models, and bimodality provide an outlook on future developments. The author dedicates the treatment of the agile SysLM introduction to the implementation in the enterprise. The basics are deepened with examples of a concrete SysLM system. The Content

History of PDM - via PLM to SysLM Digitalization and Digital Transformation The digitalization of products and of engineering processes (Engineering 4.0) The role of SysLM in a new interdisciplinary engineering methodology SysLM functions and processes across the entire product lifecycle - from requirements management to the digital twin BiModal SysLM systems and agile implementation in companies Examples on a concrete PLM system The Author There are few experts in the world with anywhere near comparable experience in development, implementation, research and teaching for product data utilization and product systems. Martin Eigner has been working in the PLM environment for 35 years and has designed and implemented as a supplier and a consultant more than 900 PLM projects worldwide.