

Book Information

Handbook of Product Lifecycle Management (PLM)

Fundamentals, Components, and Implementation Best Practices

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Book Description

The *Handbook of Product Lifecycle Management (PLM)* provides a structured guide to PLM, from its foundations and strategic role through implementation, value realization, emerging technologies, and PLM 5.0. Organized into five parts, the handbook connects PLM principles with practical implementation through frameworks, examples, business scenarios, and insights from global thought leaders. It addresses both the strategic and technological dimensions of PLM and explores how organizations can use PLM to support digital transformation, sustainable innovation, and long-term business value. The handbook is intended for PLM and digital transformation professionals, manufacturing organizations, consultants, educators, researchers, and students seeking a practical and comprehensive perspective on modern Product Lifecycle Management.

Five-Part Structure

Part I – Understanding Product Lifecycle Management

Digital Realm; Principles of Product Lifecycle Management

Part II – Digital Product and Process Strategy

Product Development Business Strategy; PLM Strategy to PLM Process

Part III – Technological Environment of PLM

PLM Modules; Modern Technologies Complement PLM

Part IV – Value Drive of PLM Execution

PLM Implementation Best Practices; PLM Business Scenarios

Part V – PLM 5.0

Smart Sustainable PLM; PLM Visionaries: Insights from Global Thought Leaders;
PLM Economics

Distinctive Elements

- Practitioner-oriented perspective on PLM strategy and implementation
- Connects business strategy, PLM processes, technology, and value realization
- Covers PLM implementation best practices and real-world business scenarios
- Explores emerging technologies complementing modern PLM environments
- Introduces the concept of PLM 5.0 and Smart Sustainable PLM
- Includes insights from global PLM thought leaders
- Addresses the economics and business value of PLM
- Designed for both technical and non-technical audiences
- Applicable across small, medium, and large manufacturing enterprises

Publisher

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