Decision Engineering

John Stark

Product Lifecycle Management (Volume 1)

21st Century Paradigm for Product Realisation

Fourth Edition

Springer

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Product Lifecycle Management (Volume 1)

21st Century Paradigm for Product Realisation

Series: Decision Engineering

- Provides a detailed explanation of Product Lifecycle Management (PLM) to enable readers to implement PLM within their own business environment
- Discusses the relationship between Internet of Things and Industry 4.0 and PLM in depth
- Describes the environment in which products are developed, manufactured, and supported
- Includes a step-by-step walkthrough of the typical processes and activities of a Product Lifecycle Management project or initiative

This fourth edition of the book provides readers with a detailed explanation of PLM, enabling them to gain a full understanding and the know-how to implement PLM within their own business environment. This new and expanded edition has been fully updated to reflect the numerous technological and management advances made in PLM since the release of the third edition in 2014, including chapters on both the Internet of Things and Industry 4.0. The book describes the environment in which products are ideated, developed, manufactured, supported and retired before addressing the main components of PLM and PLM Initiatives. These include product-related business processes, product data, product data management (PDM) systems, other PLM applications, best practices, company objectives and organisation. Key activities in PLM Initiatives include Organisational Change Management (OCM) and Project Management. Lastly, it addresses the PLM Initiative, showing the typical steps and activities of a PLM project or initiative. Enhancing readers' understanding of PLM, the book enables them to develop the skills needed to implement PLM successfully and achieve world-class product performance across the lifecycle.

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