
Product Life Cycle Management

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Product Lifecycle Management (Volume 2)

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LIZETH PITTS

Product Lifecycle

Management: Towards
Knowledge-Rich
Enterprises Independently

Published

This open access book summarizes research being pursued within the Manutelligence project, the goal of which is to help enterprises develop smart, social and flexible products with high value added services.

Manutelligence has improved Product and Service Design by developing suitable models and methods, and connecting them through a modular, collaborative and secure ICT Platform. The use of real data collected in real time by Internet of Things (IoT) technologies underpins the design of product-service systems and makes it possible to monitor them throughout their life cycle. Available data allows costs and sustainability issues to be more accurately measured and simulated in the form of Life Cycle Cost (LCC) and Life Cycle Assessment (LCA). Analysing data from IoT systems and sharing LCC and LCA information via the ICT Platform can help to accelerate the design of product-service systems, reduce costs and better understand customer needs. Industrial partners involved in Manutelligence provide a

clear overview of the project's outcomes, and demonstrate how its technological solutions can be used to improve the design of product-service systems and the management of product-service life cycles.

Product Lifecycle Management Pearson UK

Tailor-made for professionals, executives and students of management and IT, this book discusses Product Lifecycle Management (PLM), a strategic business approach to achieve the business goals of reducing costs, improving quality, and shortening time-to-m [Design of Sustainable Product Life Cycles](#) Springer

This book contains the description of machines and systems as investments goods in production. These machines have a technological and economical life cycle over the time used. By explaining the paradigms of life cycle management, the book describes how the life cycle of such investment goods can be designed, operated and optimized to deliver maximum benefit in industrial environment. Additional examples from

industry including case studies and calculations demonstrate practical applications and deliver benefit not only for academic or educational purpose but also for industrial practitioners.

Product Lifecycle Management Springer

Product Lifecycle Management Springer Science & Business Media

Product Lifecycle

Management Enabling

Smart X Springer Science & Business Media

The Lean Product Lifecycle is a playbook that provides frameworks, methods and tools to develop innovative new products and business models, while managing your core portfolio. Follow the 6 key phases of a product's life - idea, explore, validate, grow, sustain and retire - and discover how to develop products according to their life stage and ensure the right investment for each.. For each stage there is a step-by-step guide of product development best practices using examples and case studies from several companies and start-ups. Using the tools and templates in this book, you'll be able to: Take a new product from idea to scale within a market. Understand the

difference between executing on products that are already successful in the market and searching for profitable business models for new products. Use the right tools and methods for validating new products ideas and business models. Understand how to manage mature products and retire old products using lean innovation principles. Discover how lessons from lean start-ups can transform your business. The full text downloaded to your computer With eBooks you can: search for key concepts, words and phrases make highlights and notes as you study share your notes with friends eBooks are downloaded to your computer and accessible either offline through the Bookshelf (available as a free download), available online and also via the iPad and Android apps. Upon purchase, you'll gain instant access to this eBook. Time limit The eBooks products do not have an expiry date. You will continue to access your digital ebook products whilst you have your Bookshelf installed.

Product Life Cycle
Springer Nature
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Forbes and Inc – BookAuthority identifies and rates the best books in the world, based on recommendations by the world's most successful business leaders and experts. Winning the spot of #19 out of 26 on the 2020 Bookauthority Best New Industrial Management Books of All Time. Winning the spot of #3 out of 8 on the 2021 Bookauthority Best New Industrial Management Books to Read in 2021. Winning the spot of #5 out of 11 on the 2021 Bookauthority Best New Product Design Books to Read in 2021. 2020 Taylor & Francis Award Winner for Outstanding Professional Book!

Product Lifecycle Management (PLM): A Digital Journey Using Industrial Internet of Things (IIoT) provides a summary of the essential topics of Product Lifecycle Management (PLM) and the Industrial Internet of Things (IIoT) in the era of Industry 4.0. The book discusses emerging technologies, their contribution towards enhancing product design, development, and manufacturing. It also presents the integration of PLM, Enterprise Resource Planning (ERP), and Manufacturing

Execution System (MES) along with IIoT as well the integration of mechanical, electronic components, embedded systems, firmware and software focusing on smart design, development, and manufacturing in the digital transformation journey. The book provides a high-level overview of how the smart product development through smart manufacturing materializes within the smart ecosystem. Manufacturing professionals, designers, mechanical, electrical, electronics, instrumentation and industrial engineers, information and communication technology consultants and those working in production planning, process control, and operations will find this book invaluable.

Life Cycle Management
BoD – Books on Demand
Looking for better control over your product development? With this guide to SAP Product Lifecycle Management (SAP PLM), you'll get in-depth instructions and configuration information for all stages! Set up and use SAP Portfolio and Project Management (PPM), variant

configuration, Product Structure Management, and more. Then integrate with R&D, manufacturing, and authoring systems. From product visualization to collaborative development--get all the tools you need to succeed with SAP PLM! Highlights:

- SAP Innovation Management
- SAP Portfolio and Project Management (PPM)
- Requirements and target management
- Variant configuration
- Product structures
- Product validation
- Processes management
- Change, release, and configuration management
- Product visualization
- Collaboration product developme

Product Lifecycle Management: Driving the Next Generation of Lean Thinking BoD - Books on Demand

Life cycle design is understood as "to develop" (to plan, to calculate, to define, to draw) a holistic concept for the entire life cycle of a product". Life cycle design means a one time planning during the concept phase of a product in which the pathway of a product over the entire life cycle is determined. So e.g. the planning of possible services for a product

during its utilization phase, the way of material recycling, how and which parts can be reused, how the logistics for recycling will be organised or how the product can be used afterwards. So it is a conceptual pre-design of all later activities over the life cycle. By this understanding the book delivers a really holistic approach because before a product is physically made a life-long concept and utilization scenarios with closed material and information cycles have to be developed. This promotes a real "thinking in product (life) cycles". The book addresses professionals as well as researchers and students in the field of product life cycle management. Different methods in the field of product design, operation and recycling will be presented and finally merge to an integrated method of product life cycle design. Readers will benefit from the holistic approach which enables them to design successful products by the implementation of closed loop product life cycles.

Product Lifecycle Management (Volume 4)
IGI Global

The aim of this book is to

present the terminology, applications, trends, and developments in Product Lifecycle Management (PLM). This book has a total of seven chapters that treat the fundamental and future terminology used in PLM, aspects regarding the design, customization, and development of products, products testing, supply chain optimization, and recycling of the products made of special materials.

SAP Product Lifecycle Management Springer Science & Business Media

These proceedings represent trends in Product Development concerning industrial vendors and scientific research aspects. Coverage includes the following topics are covered: Design Theory, Product Design, Requirements, Collaborative Engineering, Complex Design, Mechatronics, Reverse Engineering, Virtual Prototyping, CAE, KBE and PLM. The papers presented in this book show that answers can only be composed out of a variety of solutions where psychological, economical and technical research results are taken into account.

Information Technology

for Balanced Manufacturing Systems
Springer

Introduction to Business covers the scope and sequence of most introductory business courses. The book provides detailed explanations in the context of core themes such as customer satisfaction, ethics, entrepreneurship, global business, and managing change. Introduction to Business includes hundreds of current business examples from a range of industries and geographic locations, which feature a variety of individuals. The outcome is a balanced approach to the theory and application of business concepts, with attention to the knowledge and skills necessary for student success in this course and beyond.

Enterprise Ontology IGI Global

Do you struggle with managing the all-encompassing product lifecycle, and need a comprehensive guide to the SAP Product Lifecycle Management solution? Look no further. This long-anticipated, up-to-date resource is your answer. Within these pages, you'll find the comprehensive, functional overview of SAP

PLM, from what it is to how it can benefit your business, with a plethora of business scenarios and processes included throughout. You'll learn how each PLM business process is supported by which part of the application, and how to implement those solutions. Whether you're a consultant, project manager, or part of the implementation team, you'll find what you need to prepare yourself to use the system effectively.

Product Lifecycle Management Springer

This is the first English-language book on Product Lifecycle Management (PLM) that introduces the reader to the basic terms and fundamentals of PLM. The text provides a solid foundation for starting a PLM development project. It gives ideas and examples how PLM can be utilized in various industries. In addition, it also offers an insight into how PLM can assist in creating new business opportunities and in making real eBusiness possible.

Product Lifecycle Management

Based on interviews with top executives from companies of different sizes and in different industries, this book

explains the benefits and challenges of Global Product Development. "Global Product" provides examples from many companies, draws conclusions about best practices, and shows how to manage the innovation, development and support of Global Products. The author is the President of John Stark Associates, a leading service provider in the Product Lifecycle Management (PLM) market, and has published numerous articles and books in the field.

[Product Lifecycle Management to Support Industry 4.0](#) John Wiley & Sons

This book constitutes the refereed post-conference proceedings of the 16th IFIP WG 5.1 International Conference on Product Lifecycle Management, PLM 2019, held in Moscow, Russia, in July 2019. The 38 revised full papers presented were carefully reviewed and selected from 63 submissions. The papers are organized in the following topical sections: 3D modelling and data structures; PLM maturity and industry 4.0; ontologies and semantics; PLM and conceptual design; knowledge and change management; IoT

and PLM; integrating manufacturing realities; and integration of in-service and operation.

System Lifecycle Management Springer

This book constitutes the refereed post-conference proceedings of the 15th IFIP WG 5.1 International Conference on Product Lifecycle Management, PLM 2018, held in Turin, Spain, in July 2018. The 72 revised full papers presented were carefully reviewed and selected from 82 submissions. The papers are organized in the following topical sections: building information modeling; collaborative environments and new product development; PLM for digital factories and cyber physical systems; ontologies and data models; education in the field of industry 4.0; product-service systems and smart products; lean organization for industry 4.0; knowledge management and information sharing; PLM infrastructure and implementation; PLM maturity, implementation and adoption; 3D printing and additive manufacturing; and modular design and products and configuration and change management.

Product Lifecycle Management (Volume 4): The Case Studies SAP PRESS

Continuous improvements in digitized practices have created opportunities for businesses to develop more streamlined processes. This not only leads to higher success in day-to-day production, but it also increases the overall success of businesses. E-Manufacturing and E-Service Strategies in Contemporary Organizations is a critical scholarly resource that explores the advances in cloud-based solutions in the service and manufacturing realms of corporations and promotes communication between customers and service providers and manufacturers. Featuring coverage on a wide range of topics including smart manufacturing, internet banking, database system adoption, this book is geared towards researchers, professionals, managers, and academicians seeking current and relevant research on the improvement of cloud-based systems for manufacturing and service.

Product Lifecycle Management (PLM)

Springer

In a rapidly growing global economy, where there is a constant emergence of new business models and dynamic changes to the business ecosystem, there is a need for the integration of traditional, new, and hybrid concepts in the complex structure of supply chain management. Within the fast-paced pharmaceutical industry, product strategy, life cycles, and distribution must maintain the highest level of agility. Therefore, organizations need strong supply chain capabilities to profitably compete in the marketplace. Global Supply Chains in the Pharmaceutical Industry provides innovative insights into the efforts needed to build and maintain a strong supply chain network in order to achieve efficient fulfillment of demand, drive outstanding customer value, enhance organizational responsiveness, and build network resiliency. This publication is designed for supply chain managers, policymakers, researchers, academicians, and students, and covers topics centered on economic cycles, sustainable development,

and new forces in the global economy.

Product Lifecycle Management (Volume 3): The Executive Summary Springer Product Lifecycle Management (2nd edition) explains what Product Lifecycle Management (PLM) is, and why it's needed. It describes the environment in which products are developed, realised and supported, before looking at the basic components of PLM, such as the product, processes, applications, and people. The final part addresses the implementation of PLM, showing the steps of a project or initiative, and typical activities. This new and expanded edition of Product Lifecycle Management is fully updated to reflect the many advances made in PLM since the release of the first edition. It includes descriptions of PLM technologies and examples of implementation projects in industry. Product Lifecycle Management will broaden the reader's understanding of PLM, nurturing the skills needed to implement PLM successfully and to achieve world-class product performance across the lifecycle. "A

20-year veteran of PLM, I highly recommend this book. A clear and complete overview of PLM from definition to implementation. Everything is there - reasons, resources, strategy, implementation and PLM project management." Achim Heilmann, Manager, Global Technical Publications, Varian Medical Systems "Product Lifecycle Management is an important technology for European industry. This state-of-the art book is a reference for those implementing and researching PLM." Dr. Erastos Filos, Head of Sector "Intelligent Manufacturing Systems", European Commission "This book, written by one of the best experts in this field, is an ideal complement for PLM courses at Bachelor and Master level, as well as a well-founded reference book for practitioners." Prof. Dr.-Ing. Dr. h.c. Sandor Vajna, University of Magdeburg, Germany "This comprehensive book can help drive an understanding of PLM at all levels - from CEOs to CIOs, and from professors to students - that will help this important industry continue to expand and thrive." James

Heppelmann, President and Chief Executive Officer, PTC "PLM is a mission-critical decision-making system leveraged by the world's most innovative companies to transform their process of innovation on a continuous basis. That is a powerful value proposition in a world where the challenge is to get better products to the market faster than ever before. That is the power of PLM." Tony Affuso, Chairman and CEO, Siemens PLM Software Models, Methods and Tools for Product Service Design Springer Science & Business Media 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.

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