1. Record Nr. UNINA9910851996503321

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Titolo	Product Lifecycle Management (Volume 6) : Increasing the Value of PLM with Innovative New Technologies / / by John Stark
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-53521-9
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (XIV, 254 p. 79 illus., 44 illus. in color.)
Collana	Decision Engineering, , 2197-6589
Disciplina	620.0042
Soggetti	Engineering design Industrial engineering Production engineering Production management Operations research Management science Engineering Design Industrial and Production Engineering Production Operations Research, Management Science
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction to Product Lifecycle Management -- Big Data and PLM -- Product Lifecycle Management and Product Data Exchange -- Introduction to the Digital Thread -- PLM and the Digital Thread -- Artificial Intelligence and Product Lifecycle Management systems -- CAD, PLM and EcoDesign - status and perspectives -- PLM and Sustainability -- Introduction to Digital Twins in PLM -- BIM and PLM: Fundamental concepts, objectives and characteristics -- Systems Engineering -- Technology and Digital Transformation -- Digital Transformation and Business Processes -- An Example of Digital Transformation -- PLM and the Internet of Things (IoT) -- Practical PLM and IoT Education -- PLM in the Fashion Industry -- PLM in Engineering Education: Purpose and Challenges.
Sommario/riassunto	This book is about the relationship between Product Lifecycle

Management (PLM) and new technologies that have emerged in the early years of the twenty-first century. The technologies addressed include the Internet of Things (IoT), Artificial Intelligence (AI), Digital Thread, Digital Twins, Big Data, digital transformation, sustainable products, and Systems Engineering. Product Lifecycle Management is the business activity of managing, in the most effective way, a company's products all the way across their lifecycles—from the very first idea for a product all the way through until it is retired and disposed of. PLM is a key technology for all manufacturing and engineering companies as it manages their products from Ideation, through Definition, Realisation, and Use to Retirement. The basics of PLM have been addressed in previous volumes in this series. Due to its wide span across a company, PLM has many interactions with other key technologies and systems. This Volume 6 of Product Lifecycle Management looks at the relationship of PLM to other technologies and strategies that have emerged in the twenty-first century and are used by manufacturing companies. The book also includes chapters addressing PLM education in different industry sectors such as mechanical engineering and electronic engineering.