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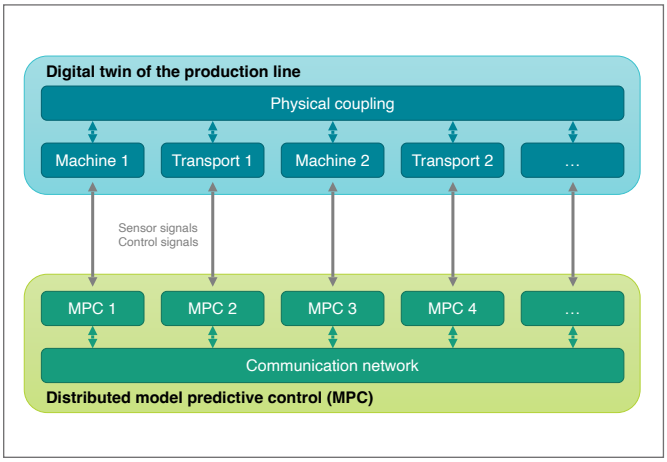
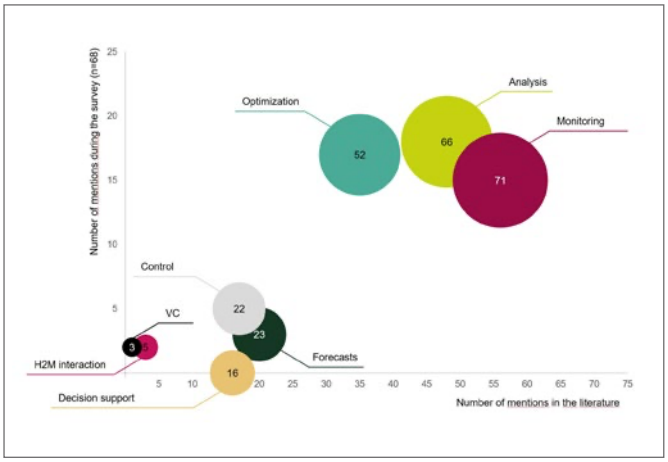




Digital Twins for Production: RAPIDZ—Resource analysis and process integration through digital twins

Although digital twins have enormous potential, they are still waiting to make their breakthrough in manufacturing. With its standardized structures, the RAPIDZ framework simplifies their configuration, removing one major hurdle.

Continue reading on page 6

Digital Twins for Production and Logistics Systems: Challenges and focus areas in implementation and use

Digital twins are crucial for modern production and logistics—but how can they be successfully implemented? A new study highlights use cases from research and supplements them with a survey of industry experts.

Continue reading on page 42

MANUFACTURING

6 C. Salzig, J. Burr, S. Hertzog
Digital Twins for Production: RAPIDZ—Resource analysis and process integration through digital twins

14 D. Girdvainis, C. Rathfelder, O. Amft
STAG—Bridging Data from Shop Floor to the IT World: An automated mapping approach for improved access to shop floor data

72 J. Ghofrani, D. Lemke; T. Söldner
Enabling the Future of Manufacturing with Digital Twins: Opportunities and obstacles

82 C. Kiener, S. Schwarzer
Intelligent Digital Twins in Production: Driving efficiency and accelerating agility in production planning

92 W. Herlyn
The Core Principles of the Digital Twin: Transforming order processes and the automation pyramid

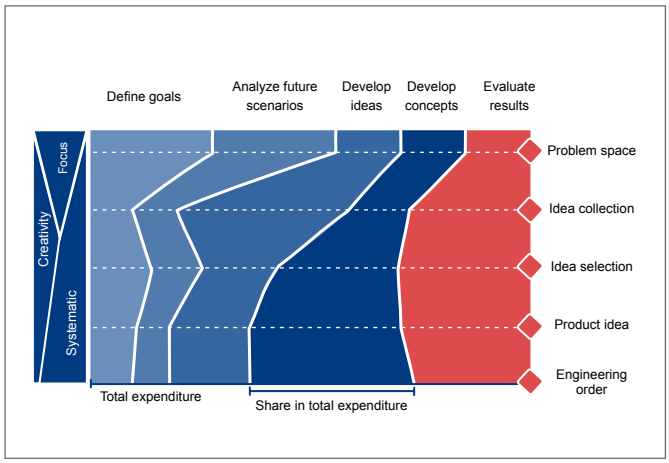
LOGISTICS

34 B. Gorgas, J. Kliewer, T. M. Wringe, M. Bähring, F. Straube, R. Zarnekow
Digital Twins in Logistics: Opportunities and hurdles during implementation

42 D. Gliem, N. Wittine, S. Wenzel
Digital Twins for Production and Logistics Systems: Challenges and focus areas in implementation and use

52 G. Cenk, J. Andersson, T. Engel
Digital Supply Chain Twin—The Pathway to Success: A catalyst for increasing competitiveness

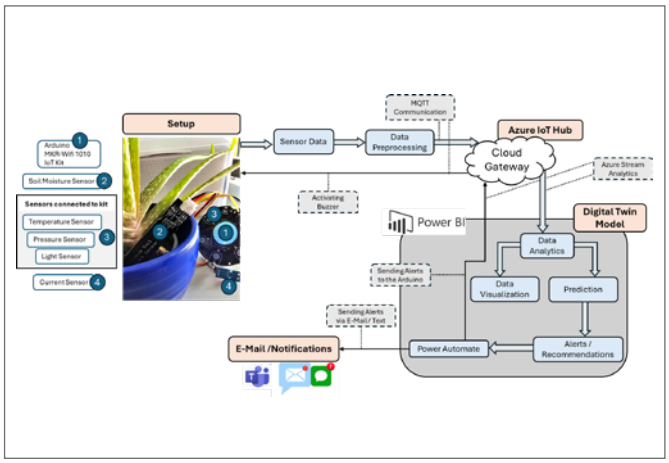
118 D. Oehlschläger, A. H. Glas, M. Eßig
Transforming Customer Impulse into Procurement Action: How digital twins strengthen customer orientation in procurement



Strategic Product Planning Model: Digital twins for circular products and production processes

Digitalization and sustainability transcend traditional models of strategic product planning. New approaches are needed that incorporate mechatronic systems, hybrid service bundles, and the entire product life cycle at an early stage.

Continue reading on page 24



Open-Source and Cost-Effective Digital Twin: A case study with two weeks to succeed

Digital twin for everyone—is that possible? With open-source tools and common office applications, a functional digital twin can be created in just two weeks, complete with real-time data, anomaly detection, and predictive analytics.

Continue reading on page 62

INNOVATION

24 I. Graessler, S. Rarbach, B. Grewe
Strategic Product Planning Model: Digital twins for circular products and production processes

62 S. Cisneros Saldana, S. Pratap, P. Punekar, S. Acharya, H. Markus
Open-Source and Cost-Effective Digital Twin: A case study with two weeks to succeed

102 H. Strauß, J. Sasse
Real-Time Carbon Footprint Monitoring for SMEs: Sustainability in real time—from operation to finished products

LEARNING ENVIRONMENTS

110 I. Glauninger, M. Mühl, M. Schürmann, C. van Husen
Virtual Exhibition as a Digital Twin: A framework for decision-making for virtual representations

126 S. Anselmann, J. Wädt, U. Faßhauer
Hybrid Learning Landscapes for Technical Concepts: The digitalization of training via practical concepts and targeted networking

SERVICE

3 Editorial

134 Preview of Industry 4.0 Science 4/2025

134 Imprint

EVENTS

32 German Software Summit, Frankfurt

50 Expo, Osaka - Japan

70 WeConect Cybersecurity, Berlin