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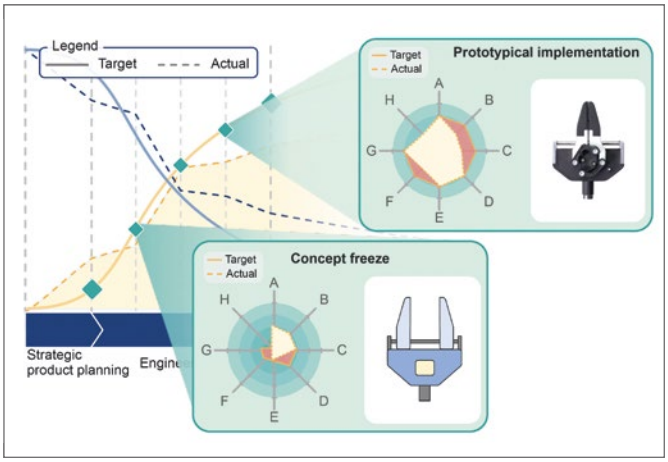

Data Quality in the Engineering of Circular Products: Decision support for circular value creation through data ecosystems

How sustainable a product actually becomes is decided during its development. For the circular economy to succeed, data quality must be specifically evaluated and managed. Without reliable data, many assumptions remain speculative.

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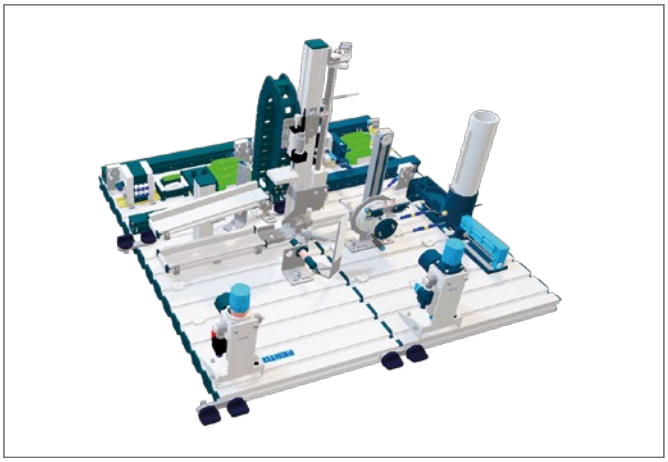

Digital Twin Using Semantic Modeling and AI: Self-learning development and simulation of industrial production plants

Digital twins often behave statically and require a great deal of modeling. This is where AI comes in. An AI-based digital twin can learn the system behavior independently and thus provide the optimal representation of the production process.

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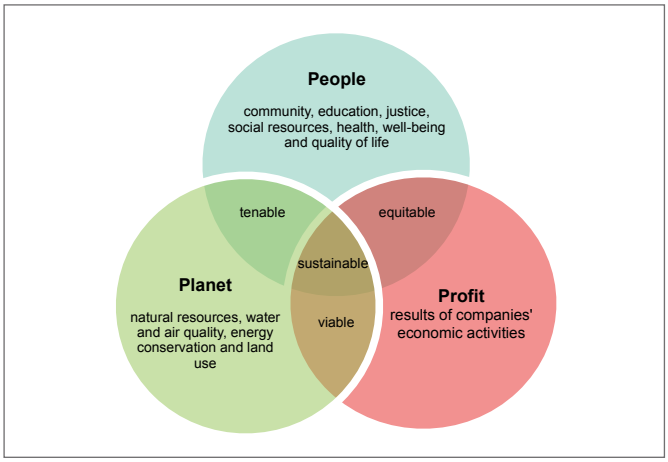
QUALITY

VIRTUAL ENVIRONMENTS



Why Moving Toward a Circular Economy Is Crucial: The ten R-strategies of sustainable management

In the face of increasing resource scarcity, the circular economy has established itself as an indispensable concept, guided by the ten R-strategies. Companies must evaluate which of these principles can be implemented quickly and which will have the greatest impact.

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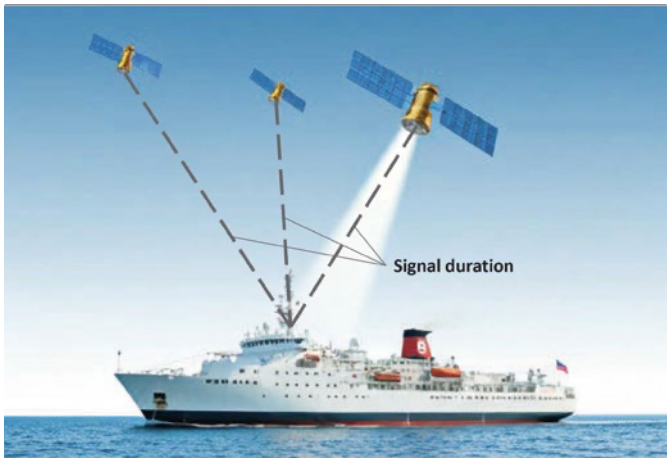

Intelligent Load Carrier Management: AI-supported monitoring and reduction of losses in logistics

Traditionally, GPS tracking has been used to ensure that load carriers are not lost during the transportation of components. An alternative to this is to bundle them into clusters, enabling joint monitoring while also protecting data.

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ASSISTANCE SYSTEMS

SERVICE

EVENTS