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Embracing Twin Transition

Digital Twins leverage powerful modeling for sustainable progress

The **Twin Transition**, also known as the 'double transition,' signifies the fusion of technological advancement and environmental sustainability. From optimizing energy consumption to enhancing resource management, digital technologies offer opportunities to address pressing environmental challenges while driving innovation and economic growth.

How does Digital Twin enhance processes, resource efficiency, and decision-making to drive technological innovation and environmental goals?

Key Trends

\$3,8BN \$2TN

The Global Digital Twin Market Size in Energy & Utilities Sector by 2025 The Global Market of Renewable Energies by 2030



of organizations are using AI to improve environmental impact (e.g. energy efficiency) Digital Twins are built to be used and reused, to repeatedly simulate and optimize multivariable problems. Through the synergy of Advanced Analytics, Simulation, and Machine Learning techniques, we not only **predict** overall business performance but also, more significantly, identify corrective actions for unforeseen events.

SOURCE: STATISTA

The Value of Technology's Impact

Al-Driven Value

Circular Ecosystem

By crafting accurate digital representations of neighborhoods, infrastructure, and services - encompassing transportation, water networks, and buildings and by gathering and analyzing diverse data sets, solutions can be explored to enhance energy and water efficiency. diminish pollution to alleviate traffic congestion, and promote more effective resource utilization. This approach serves as a valuable for sustainable urban planning and mitigating the impacts of natural phenomena and extreme weather events.

Responsible Productivity

Digital Twins play a pivotal role in **modeling** and **simulating energy systems**, water networks, transportation systems, and various infrastructure components. Organizations can **optimize resource utilization** and minimize waste. By analyzing data generated from Digital Twins, stakeholders can pinpoint inefficiencies and devise strategies for improvement, thus driving towards enhanced efficiency and sustainability in their coerotions.

Our Toolbox









Our Impact

