Digital Twinning IN SUPPLY CHAIN 101

Digital twins are enabling the future of supply chains. Powered by rich data and AI, supply chain decision-makers are gaining access to tools that allow for data-backed simulations and real-time decisions.

DEFINITION

A digital twin is a digital replica or mirror of a physical asset or process. Leveraging rich datasets and deep learning, digital twins allow decision-makers to access deeper insights than ever before.

WHO USES THEM?

Digital twin usage is rapidly picking up in various industries including aerospace, automotive, manufacturing, distribution, retail, oil and gas, and healthcare.

WHERE ARE THEY USED?

Throughout supply chains, digital twins see various touchpoints including within the warehouse and all along the distribution journey through to delivery.

WHEN ARE THEY USED?

Digital twins are being used to predict disruption, downtime as well as maintenance issues. The most prevalent use case of digital twins is to improve processes.

WHY ARE THEY USED?

Predictive analytics are increasing the ability to make more informed decisions while identifying possible barriers. Digital twins leverage these analytics and enable simulations resulting in real-time continuous improvement.

HOW DO THEY WORK?

To enable digital twins, massive datasets from various sensors are collected. Utilizing deep learning, a subset of machine learning, the systems are able to learn and improve from algorithms.

Speak to a distribution supply chain expert today ››››

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For more information contact Tecsys at **800-922-8649 or info@tecsys.com**