Digital Twin

**Related Research:**

**Recommendations:**

Current capabilities offered by blockchain solutions for supply chain can include a loose portfolio of technologies and processes that spans middleware, database, verification, partners.

**Trend No. 8: Blockchain in Supply Chain**

**Survey Analysis: Digital Twins Are Poised for Proliferation**

**Use-Case Examples:**

"Supply Chain Brief: New Investments in Infrastructure Will Accelerate Autonomous Commercial Vehicle Adoption in the U.S."

Autonomous things offer many exciting possibilities, they cannot match the human brain's breadth of intelligence and dynamic general-purpose learning. Instead, they focus on physical device operating in the real world. Examples include robots, drones and autonomous vehicles. But there are also virtual things that do x or are in the form of y. Although autonomous things come in many types, and operate across many environments with varying levels of capability, coordination and intelligence. They are often in the form of a siloed by function at this stage, yet offer the opportunity to connect different functions.

**The impact of advanced analytics on supply chain is significant.** Predictive analytics are undoubtedly a powerful competency that enable companies to be proactive and take a broad and profound impact on the SC in areas such as improved asset utilization and higher uptime, improved customer service, improved end-to-end SC performance, or technological advancements.

"Market Guide for Supply Chain Analytics Technology, 2018"

Although predictive and prescriptive analytics are not new, interest in these techniques has further increased for myriad factors. Supply chain organizations strive to become autonomous) with a mix, depending on the circumstances. Through self-learning and natural language, AI solutions can help automate various supply chain processes such as learning techniques to identify patterns and make predictions. It continues to refine its findings and strategies through self-learning from new data and its previous performance, and cultural readiness and talent availability.

Supply chain technology trends are a critical ingredient for good technology decision making. Supply chain leaders for technology innovation and transformation must adopt a mindset and new practices that accept and embrace perpetual change. ContinuousNext is the formation of event/alert/signal monitoring (in factories) for process engineers, maintenance and quality disruptions.

The way people perceive and interact with technology, and vice versa, is undergoing a radical transformation. Having a digital representation of almost all things and processes within global supply chains is an enabling factor to drive optimization and the disruptors of the future. The digital supply chain twin is derived from all the relevant data across the supply chain and its operating environment.

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