

2021 TOP 10 SUPPLY CHAIN TRENDS

Developed by ASCM's Research, Innovation and Strategy (RISC) Sensing Subcommittee



Accelerated use of analytics and automation across the supply chain

Implementation of artificial intelligence and machine learning for predictive and prescriptive analytics will continue to accelerate, with broad-reaching effects across the end-to-end supply chain. Businesses that harness the power of big data and automation will have a competitive advantage in visibility, executional efficiency, quality and profitability.



Using digital supply chain to predict disruptions The transformation from loosely connected sets of data, processes and people toward a fully integrated, end-to-end supply chain will significantly enhance visibility. Information sharing and global data harmonization and standardization will shift the focus on putting out fires today to predicting tomorrow's challenges so they can be prevented.



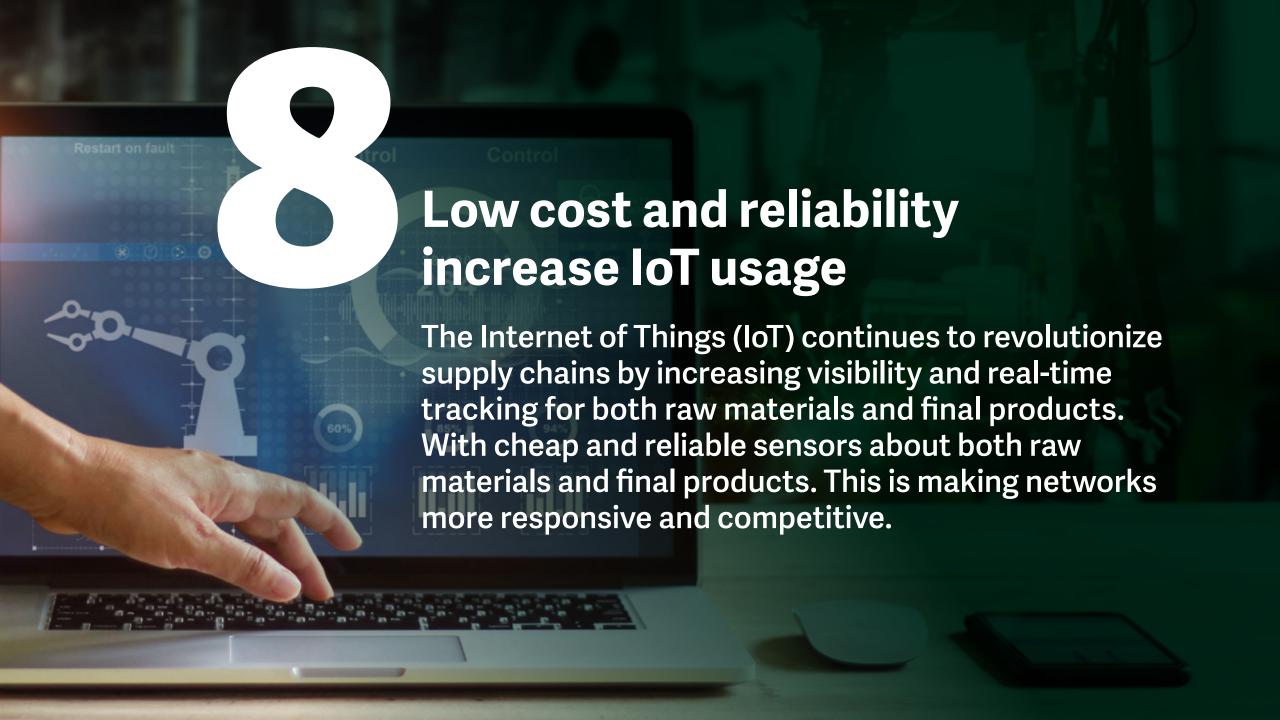


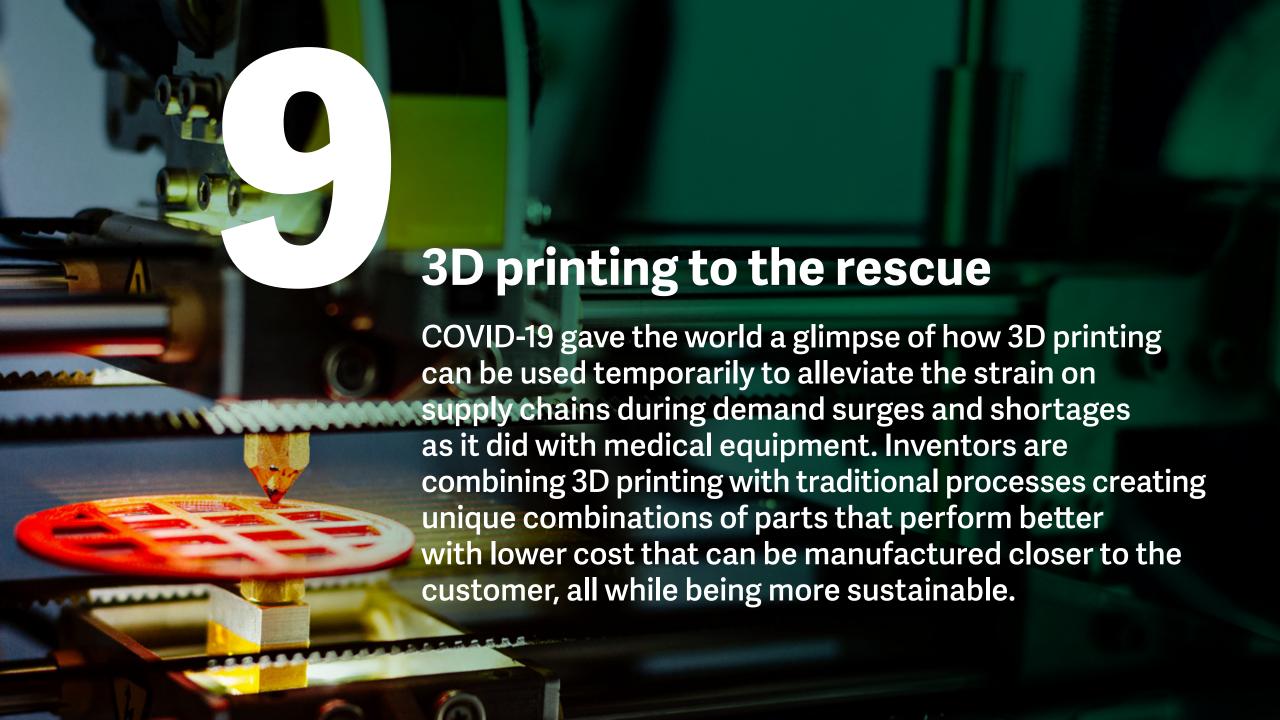
Cybersecurity is a prerequisite for survival

The explosion of data and data-driven organizations through AI, blockchain and IOT is creating much more interwoven areas of vulnerability in systems and tools. Social engineering, ransomware and exploiting even the tiniest gaps of vulnerability will continue. Supply chains must protect their networks, devices, people and programs.











Corporate citizenship comes with challenges



The ethical and ecological expectations of consumers will drive supply chains to determine how they source, produce and serve their products in sustainable, eco-friendly and profitable ways. This could create challenges for all constituents, including consumers, who may experience price increases, quality issues or product availability problems.

