

Supply Chain Expert Lisa Anderson Identifies Hyperscale Manufacturing as a Key to the Next Era of U.S. Manufacturing

Emerging manufacturing model focuses on scaling production by multiples rather than percentages to meet rapidly changing demand

CLAREMONT, CA, UNITED STATES, August 20, 2026 /EINPresswire.com/ -- Lisa Anderson, MBA, CSCP, CLTD, a leading expert in manufacturing

strategy and supply chain transformation and president of [LMA Consulting Group, Inc.](#), is highlighting hyperscale manufacturing as an emerging operating model that could play an increasingly important role as U.S. manufacturers respond to rapidly changing demand, geopolitical risk and the need to expand domestic production capabilities.



Hyperscale manufacturing changes the question from 'How do we make this operation a little more efficient' to 'How do we design the entire system so we can multiply output when the market requires it'"

Lisa Anderson, President LMA Consulting Group



LMA Consulting Group celebrates 21 years

Hyperscale manufacturing applies the speed, scalability and modularity associated with technology companies to physical production. Rather than increasing output incrementally, manufacturers design products, production systems and supply chains to scale rapidly by multiples.

"In many of the industries that will be critical to future growth, increasing production by 10 or 20 percent simply isn't enough," said Anderson. "We have situations where production may need to increase 10x, 20x or more while products and technologies are changing at the same time.

Traditional manufacturing models were not designed for that combination of speed, scale and change."

The challenge is becoming increasingly apparent in industries including defense, shipbuilding, electronics, semiconductors, artificial intelligence-related products and advanced industrial products.

"Hyperscale manufacturing changes the question from, 'How do we make this operation a little more efficient?' to 'How do we design the entire system so we can multiply output when the market requires it?'" Anderson explained.

Designing Manufacturing for Scale

According to Anderson, hyperscale manufacturing requires companies to rethink how products, plants, technology and supply chains are designed.

Modular product design, standardized components and interchangeable platforms can reduce complexity while allowing manufacturers to incorporate changes and scale production more quickly. Software-defined production, including digital work instructions, real-time production monitoring,

Manufacturing Execution Systems (MES), Advanced Planning and Scheduling (APS) and artificial intelligence provide the visibility and speed required to adjust as conditions change.

Facilities must also incorporate scalability from the beginning through replicable production lines, flexible layouts and the ability to rapidly add capacity. High throughput, shorter cycle times and greater vertical integration can further support rapid expansion, while supply chains must be designed with multiple sources, standardized components and sufficient capacity to scale.

"Instead of building around a fixed volume and figuring out how to expand later, hyperscale manufacturers build scalability into the architecture," Anderson said.

Seeing the Need Through SIOP

Anderson has seen the need for hyperscale capabilities firsthand while working with a company preparing for significant growth in drone production.

Through the [SIOP \(Sales, Inventory & Operations Planning\) process](#), long-range revenue forecasts by country and product category made it apparent that the company could not wait until individual orders were completely defined before forecasting critical materials and planning future capacity.

"The challenge with drones and other rapidly evolving technologies is that you have to scale quickly without locking yourself into yesterday's product," Anderson said. "Manufacturers need an operating model that allows both the product and production system to evolve rapidly."



Photo of Lisa Anderson

Hyperscale concepts are already evident in automotive, batteries, electronics and semiconductor manufacturing, where high-volume production, automation, standardized platforms, integrated supply chains and rapid capacity expansion have become increasingly important.

What Hyperscale Means for Manufacturers

Anderson expects [hyperscale concepts to extend beyond industries](#) requiring exponential production growth. Pharmaceuticals, medical equipment, industrial products and other manufacturers can apply elements of the model to become more scalable and responsive.

"Not every manufacturer needs to become a hyperscaler," Anderson said. "But every manufacturer should be asking: How quickly can we add capacity? How modular are our products and processes? Can our suppliers scale with us? Do our systems provide the real-time information required to make decisions? Can we change direction without bringing production to a halt?"

Artificial intelligence and advanced technologies will become increasingly important in answering those questions. AI-enabled planning, advanced analytics, real-time visibility and integrated manufacturing systems can help companies identify changing conditions earlier, evaluate alternatives and adjust production and supply plans faster.

However, Anderson emphasizes that technology must be supported by the right strategy, processes, infrastructure and talent.

"Hyperscale manufacturing isn't simply about producing more," she concluded. "It is about creating the capability to scale and change simultaneously. Forward-thinking manufacturers will start determining now which hyperscale concepts can help them build the products, capacity, technology, talent and supply chains they will need for the next era of manufacturing."

To learn more about manufacturing strategy, SIOp and Supply Chain Planning, artificial intelligence and advanced supply chain technologies, visit [LMA-ConsultingGroup.com](#).

About LMA Consulting Group

LMA Consulting Group works with manufacturers, distributors and supply chain-related organizations to achieve predictable growth, profitable performance and scalable supply chain success. Lisa Anderson is recognized as a top supply chain and ERP expert and is regularly featured in major media, including Bloomberg, IndustryWeek, The Wall Street Journal and Inc. Magazine. She is a noted authority on the SIOp (Sales, Inventory & Operations Planning) process and author of SIOp: Creating Predictable Revenue and EBITDA Growth. For more, visit [LMA-ConsultingGroup.com](#).

Kathleen McEntee

Kathleen McEntee and Associates, Ltd

+1 312-501-1950

kmcentee@kmcenteeassoc.com

Visit us on social media:

[LinkedIn](#)

[Instagram](#)

[Facebook](#)

[YouTube](#)

[X](#)

[Other](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/935604597>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.