

Transformational Benefits at the Intelligent Edge

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Tom Bianculli Chief Technology Officer





Robert C. Wolcott, Ph.D.

Executive Director Kellogg Innovation Network Managing Partner, Clareo 62% of online customers believe fast delivery is the most important aspect of a positive experience

Fueling the growth of the on-demand market is e-commerce. By 2026:

Global e-commerce spending will grow 50% to over \$6 Trillion

In the United States, approximately 43% of all dollars spent in retail e-commerce transactions will be done via mobile devices in 2024

The market for on-demand services is expected to reach a whopping \$335 Billion by 2025



All While Dealing with a Triple Squeeze...





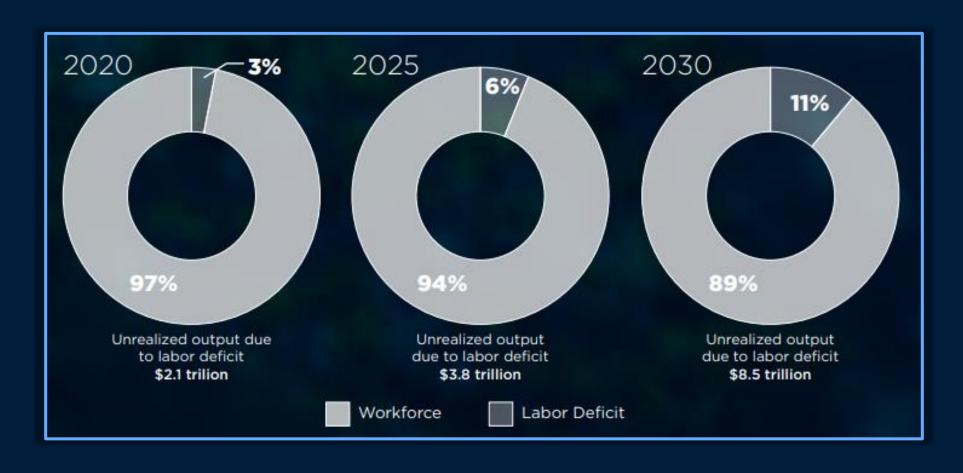


Cost and Shortage of LABOR

Optimizing for new **EXPECTATIONS**

Diminished PREDICTABILITY

Total Global Labor Deficit as a Percentage of Workforce





Optimizing for new **EXPECTATIONS**

Diminished PREDICTABILITY

WE LIVE IN A WORLD OF LIQUID EXPECTATIONS,

WHERE EACH NEW AND AMAZING EXPERIENCE BECOMES THE STANDARD TO WHICH ALL OTHERS ARE COMPARED







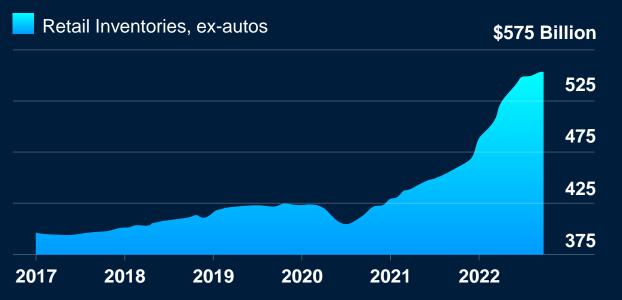
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US Retail Inventories Surge

Stockpiles at Retailers Exceed \$550 Billion this Year



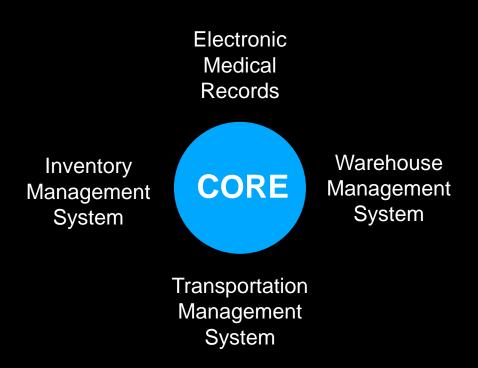
2022 Total Inventory Distortion

Cost or Out-of-stock and Overstock (Increase over 2020)



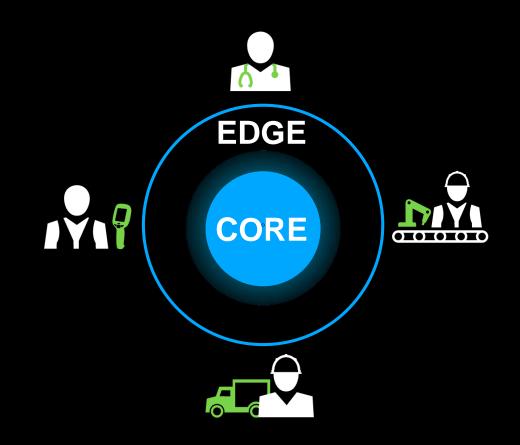
Digital innovation *began* at the core of the enterprise...

Systems of Record



...but it **now** lives at the enterprise edge, where work gets done.

Systems of Reality





WHAT IF THESE WALLS COULD TALK?



SMART SENSOR ENABLED STORE







SHELFSIGHT

n-Store Fixed Cameralased Real-Time Image ecognition System







