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# Manufacturing the Future: Challenges and Opportunities

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*June 17, 2020*

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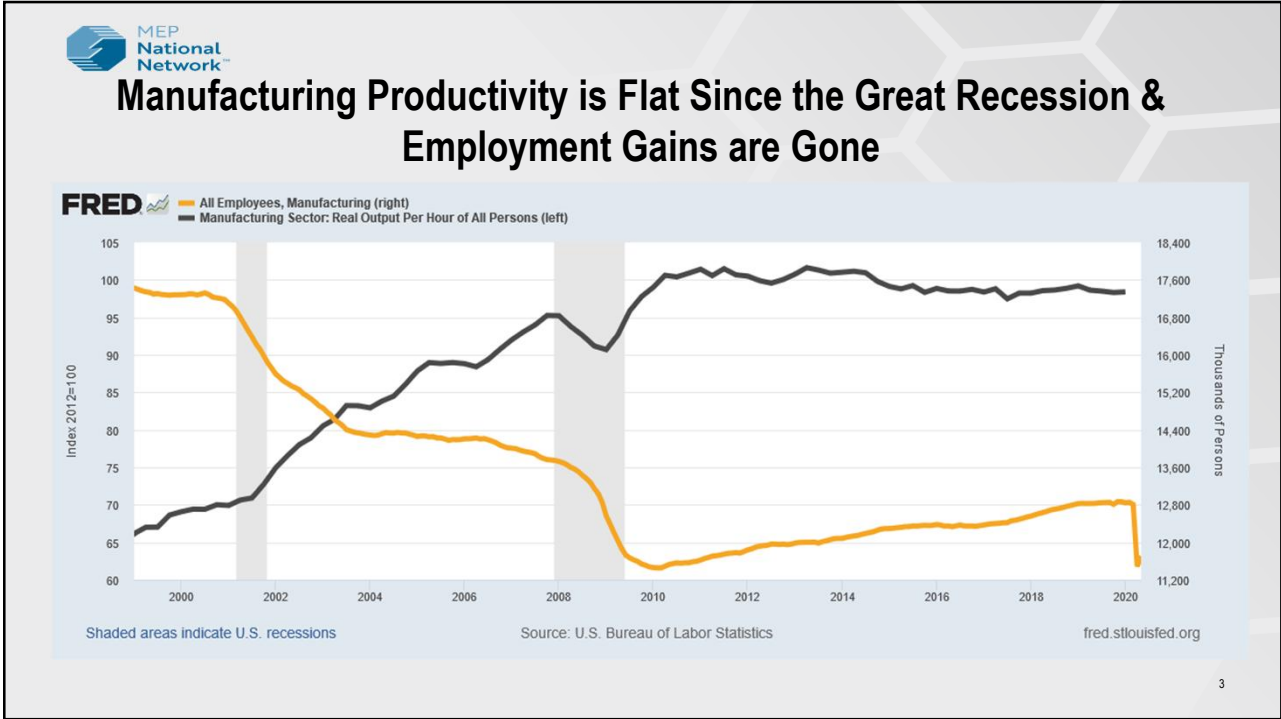


## Agenda

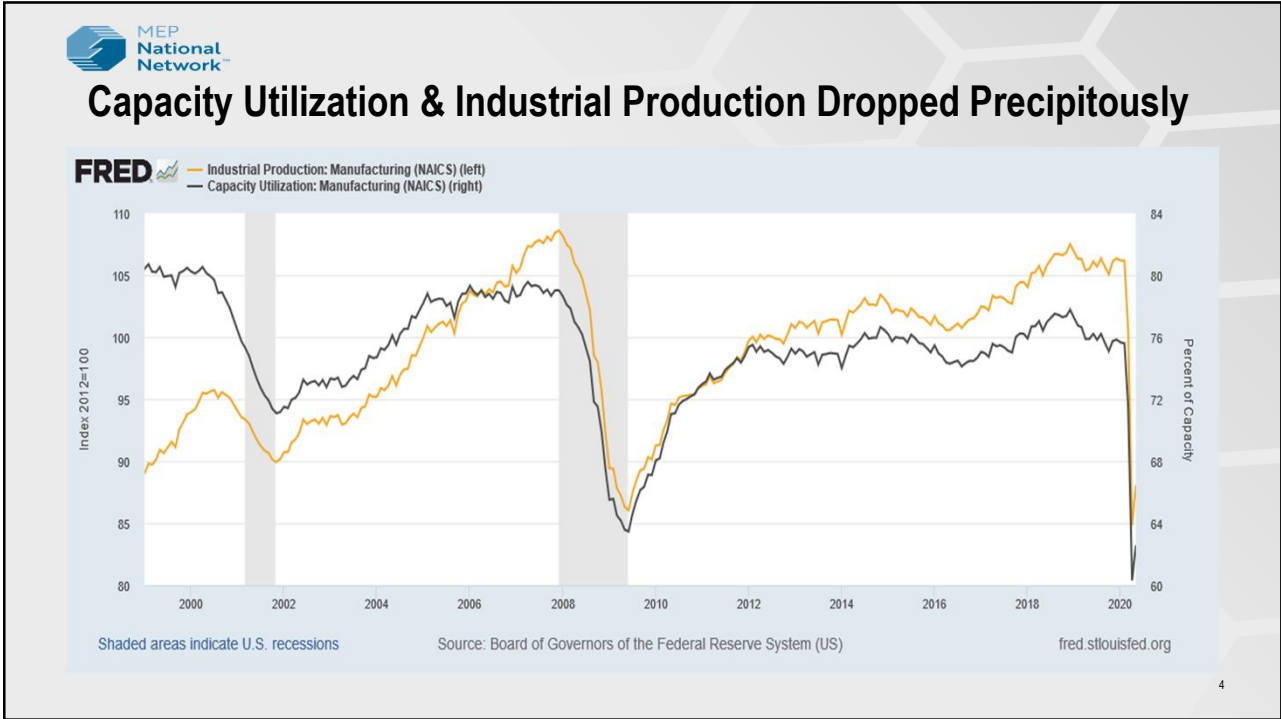
- Scan of the Manufacturing Landscape
- The Path Forward
- Questions

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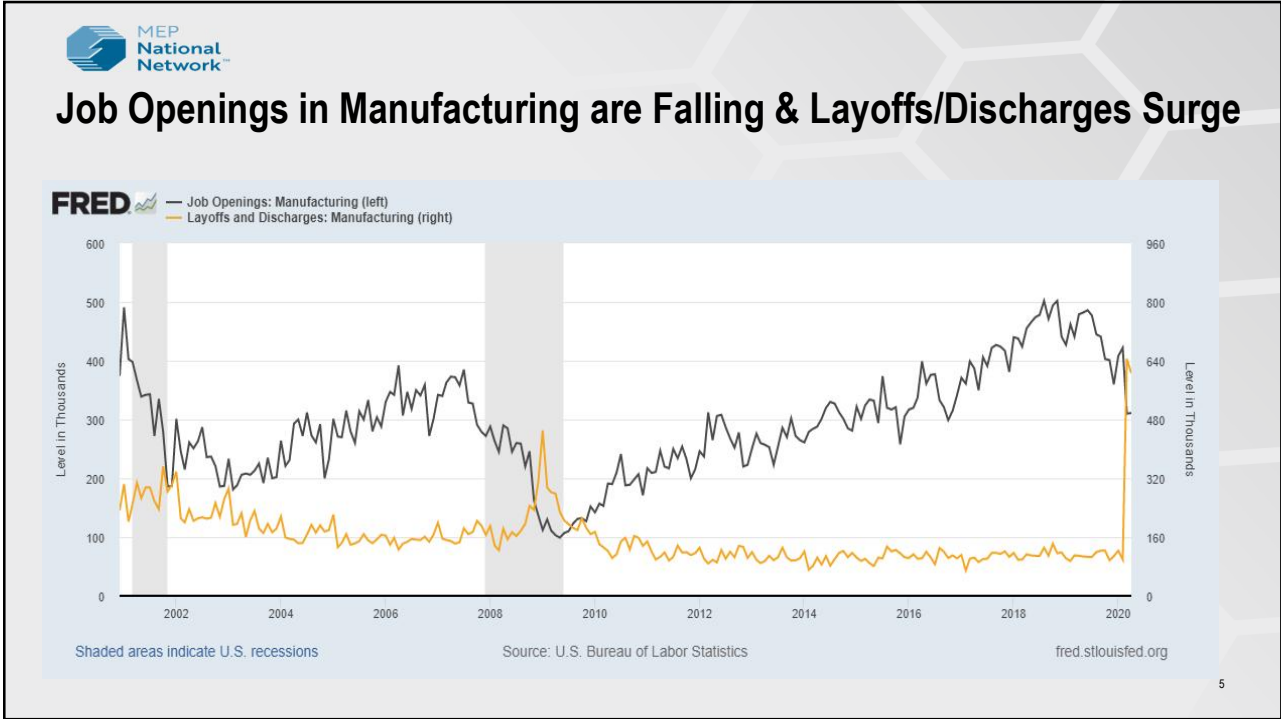
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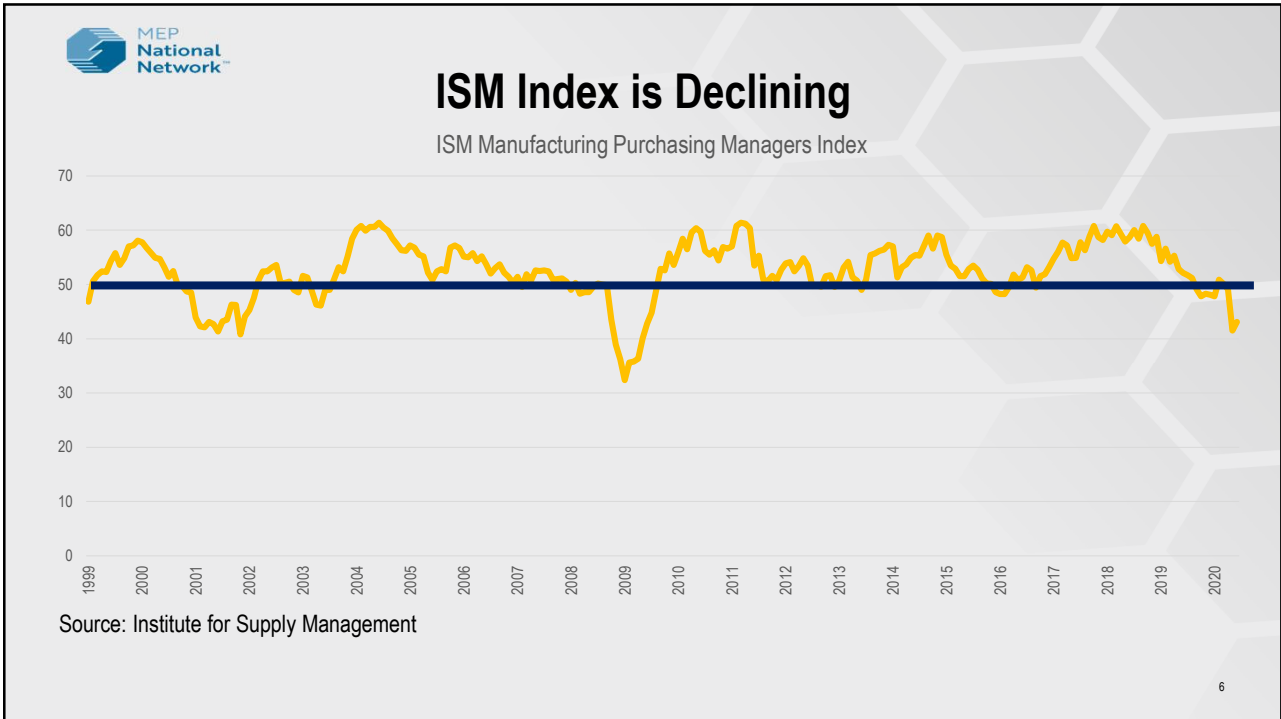
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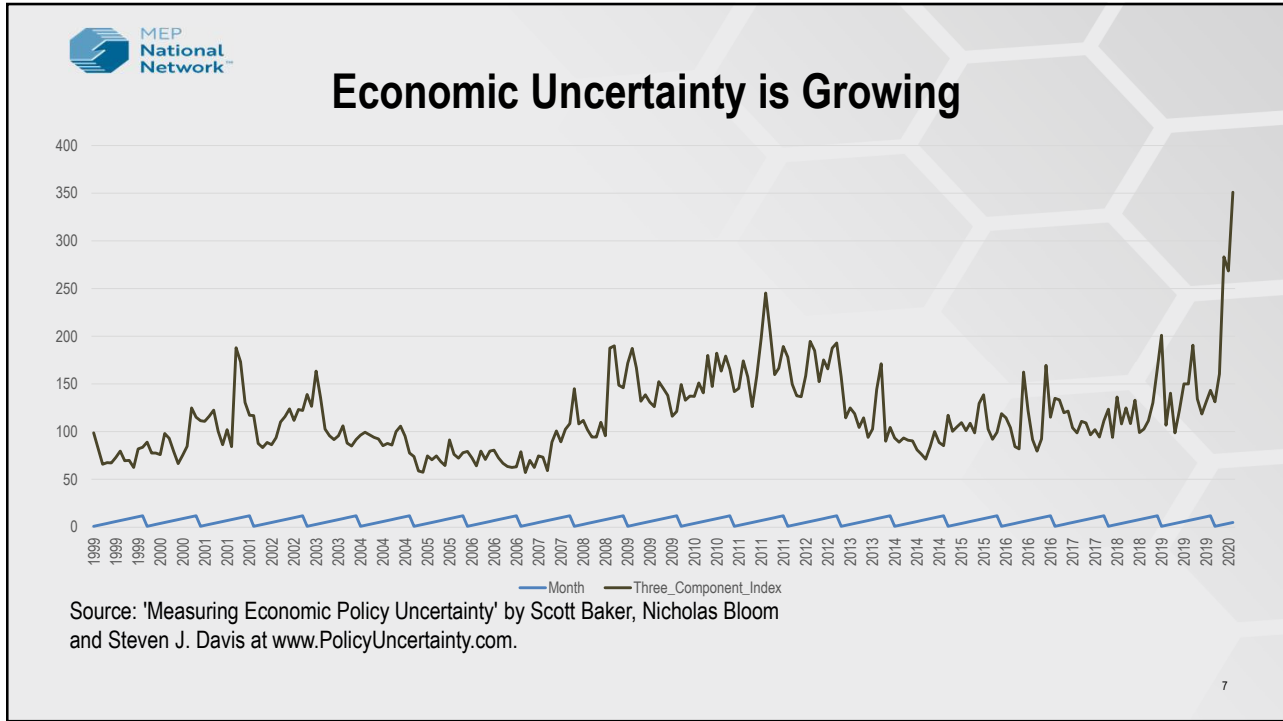
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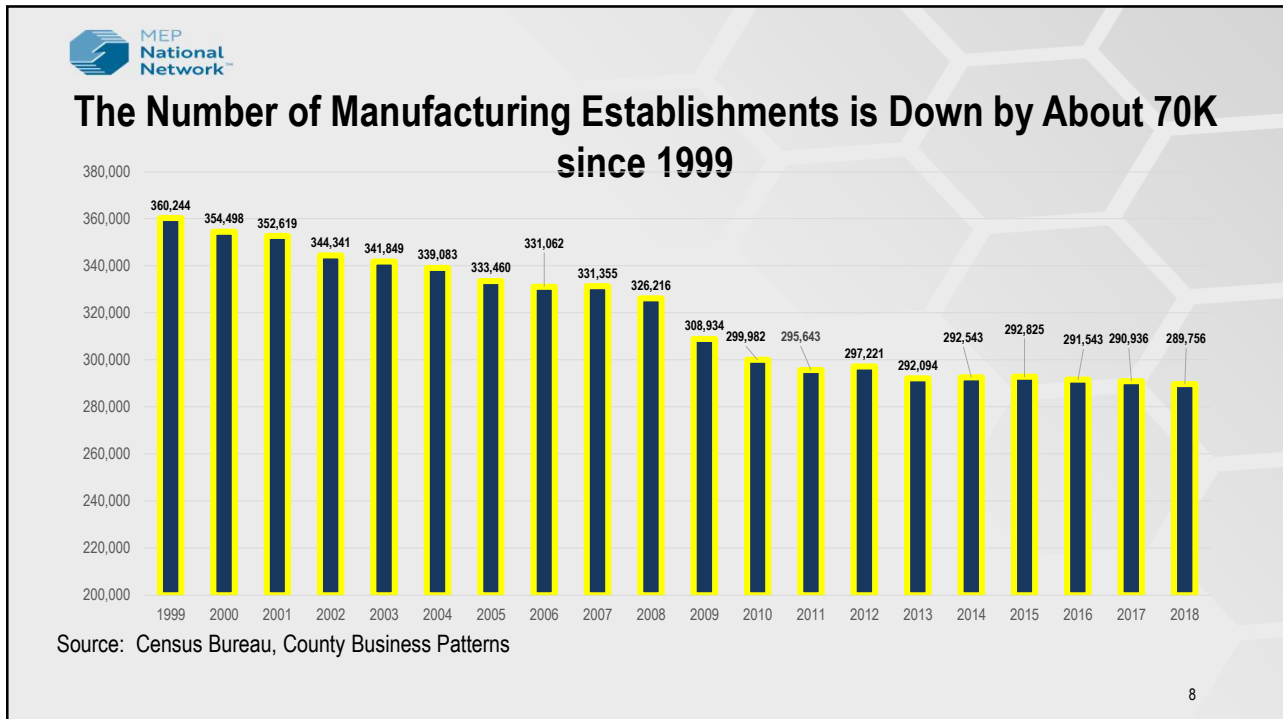
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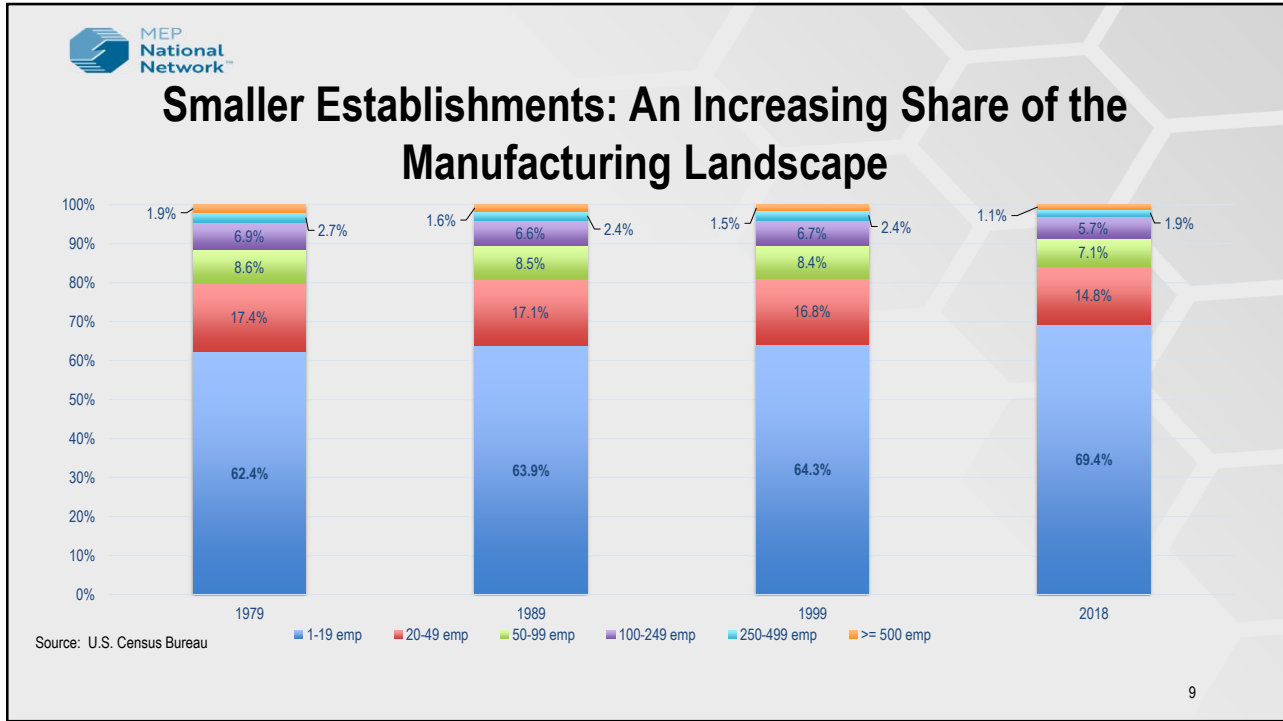
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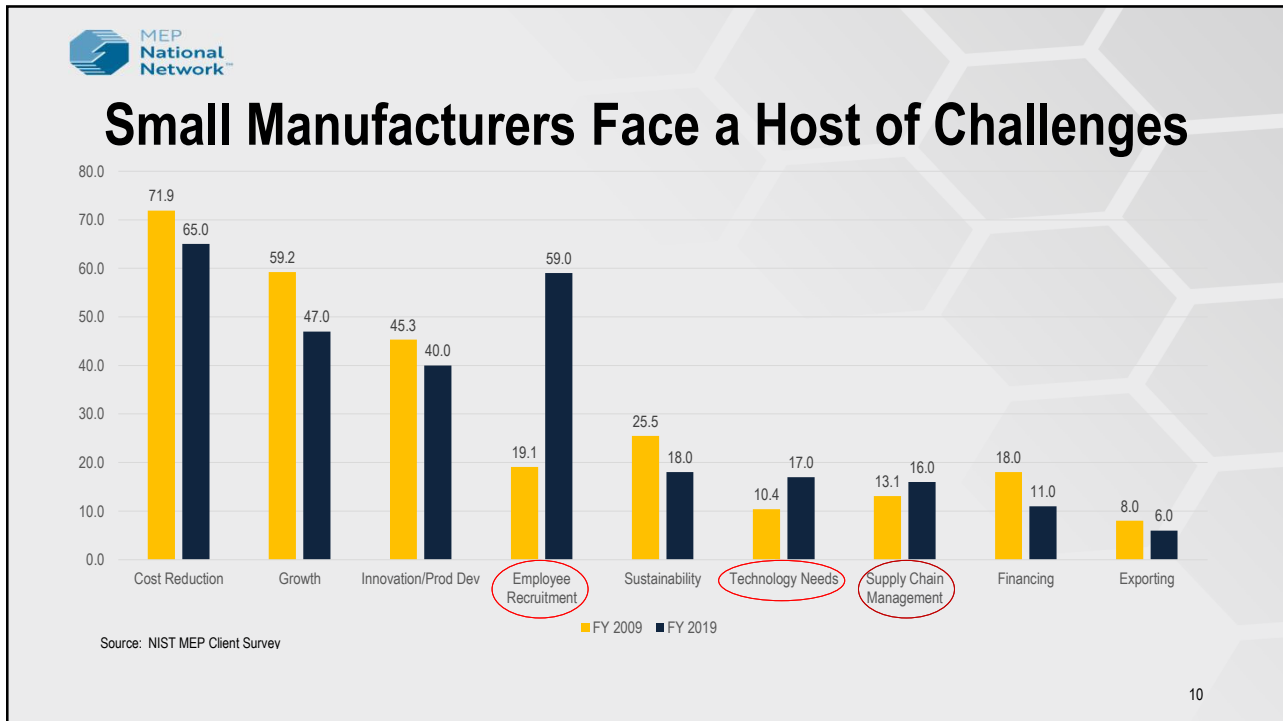
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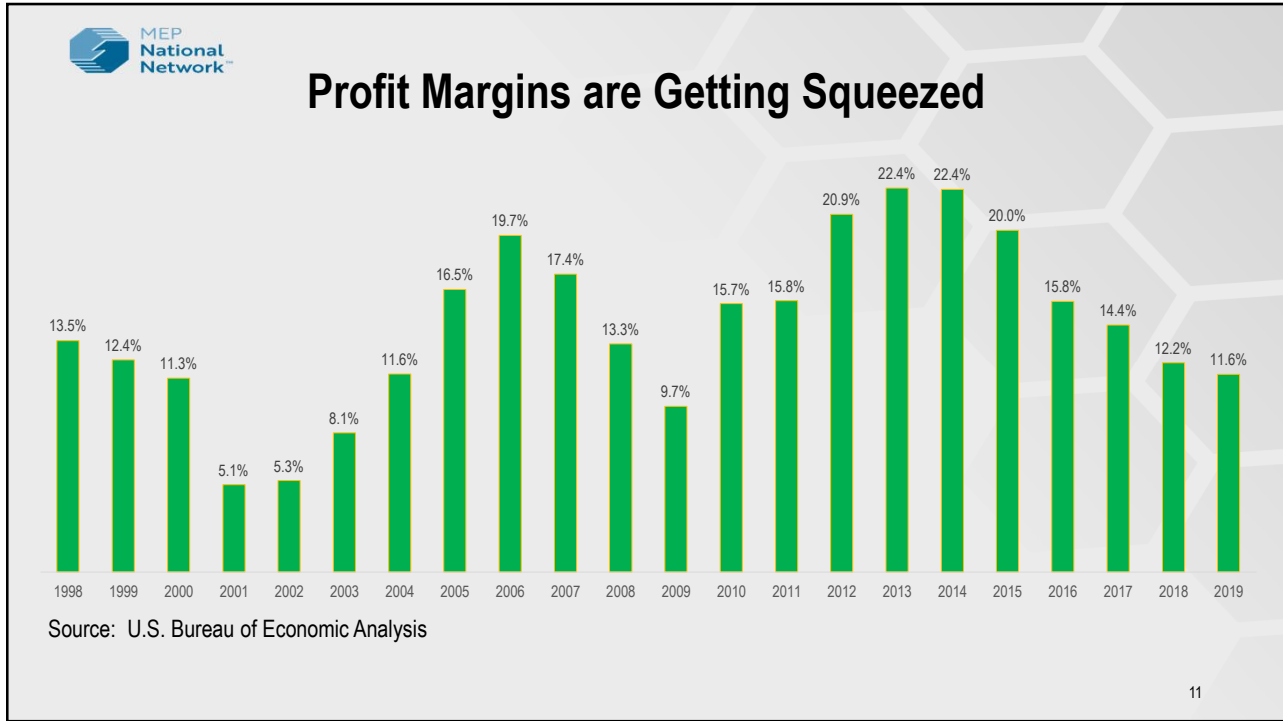
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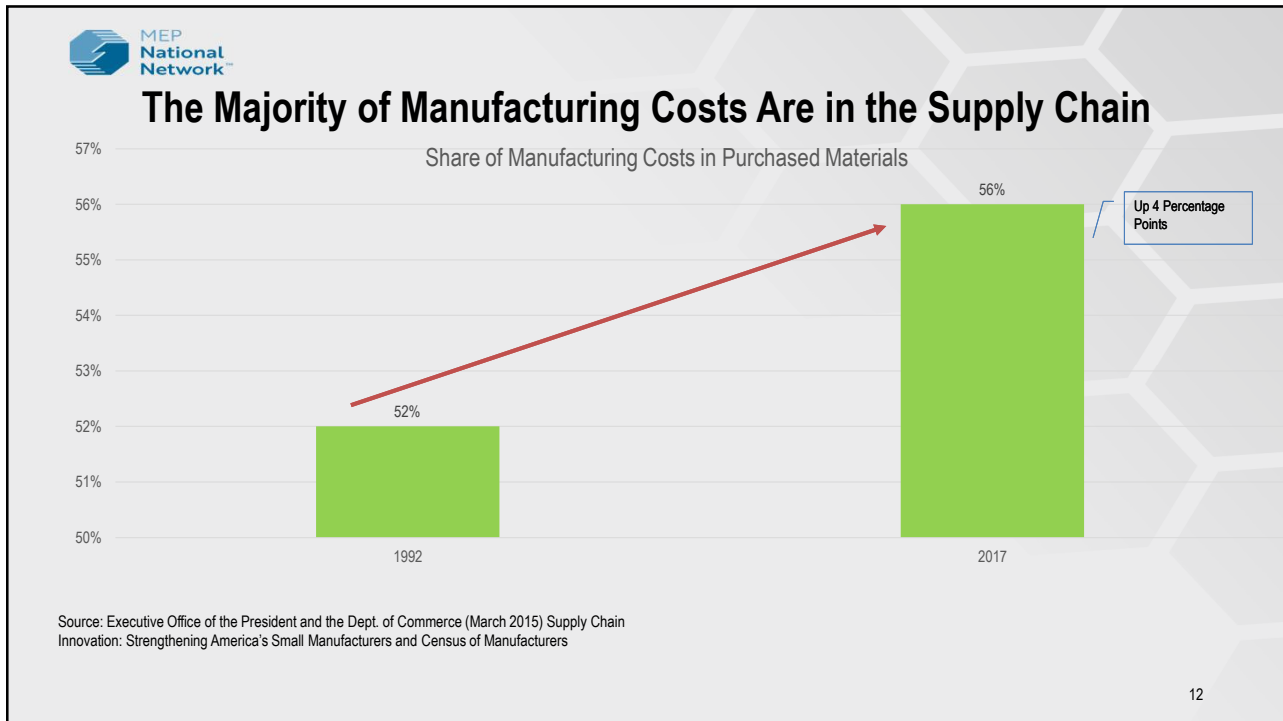
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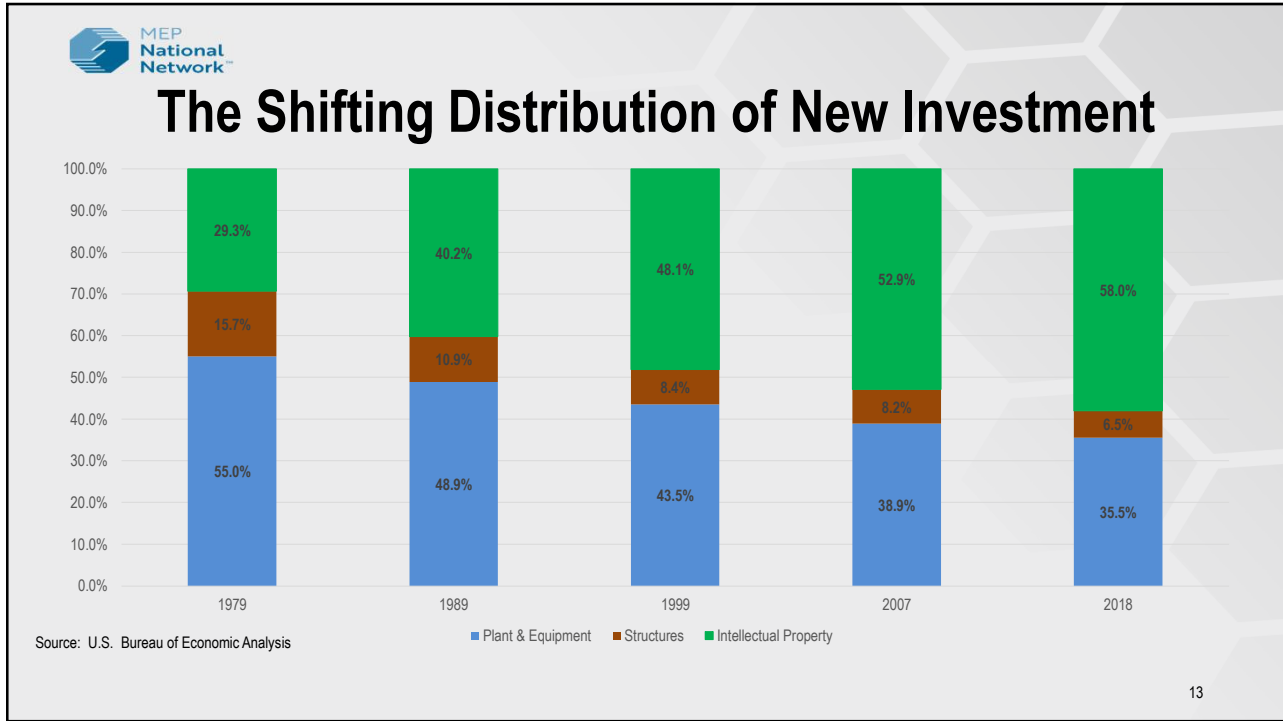
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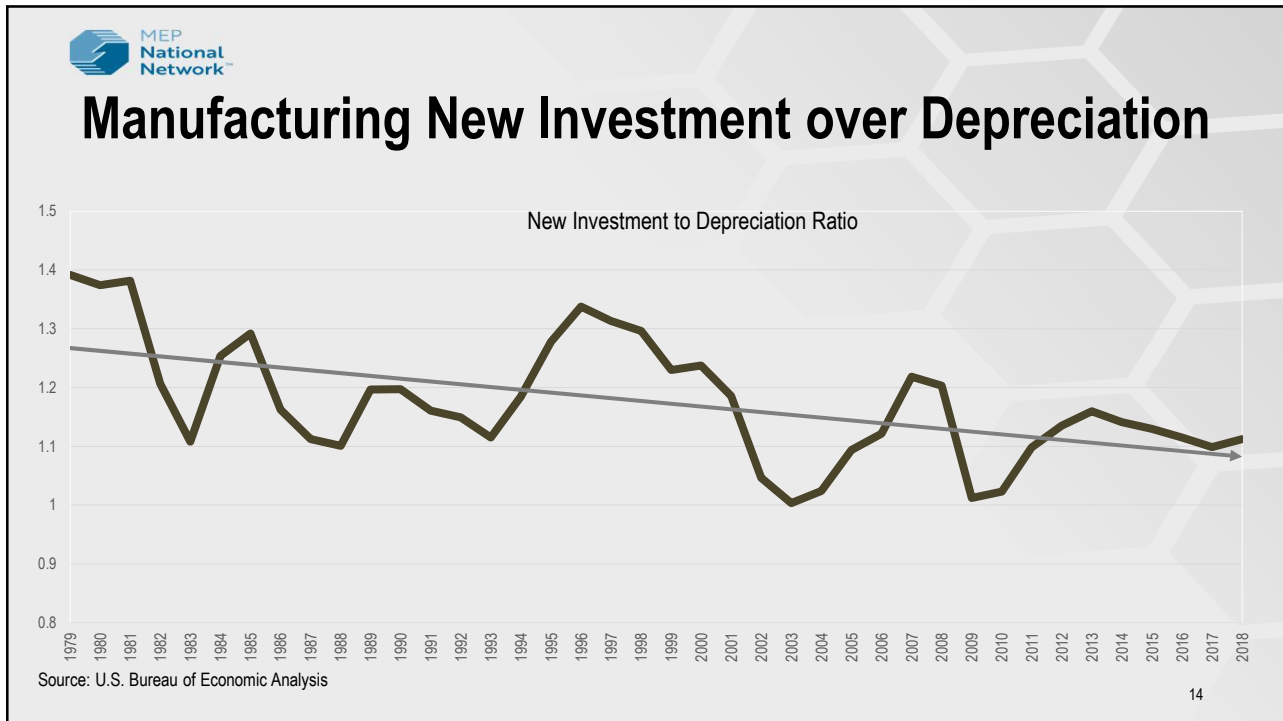
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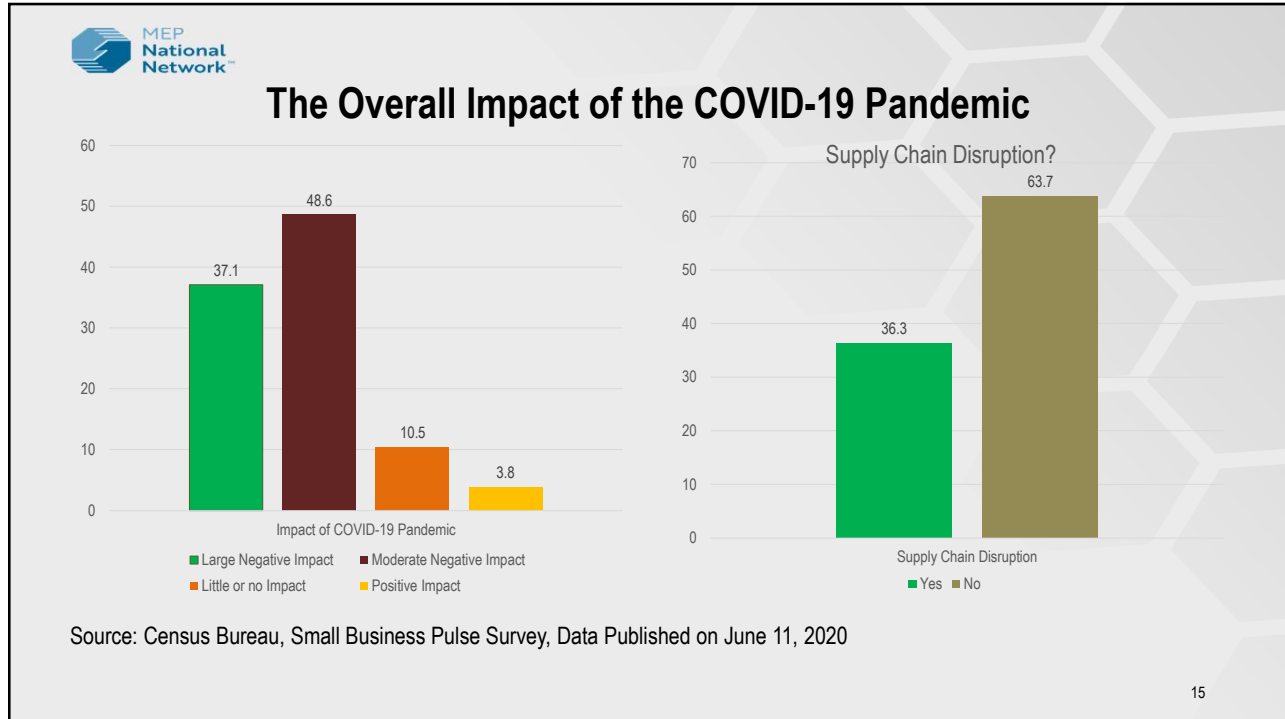
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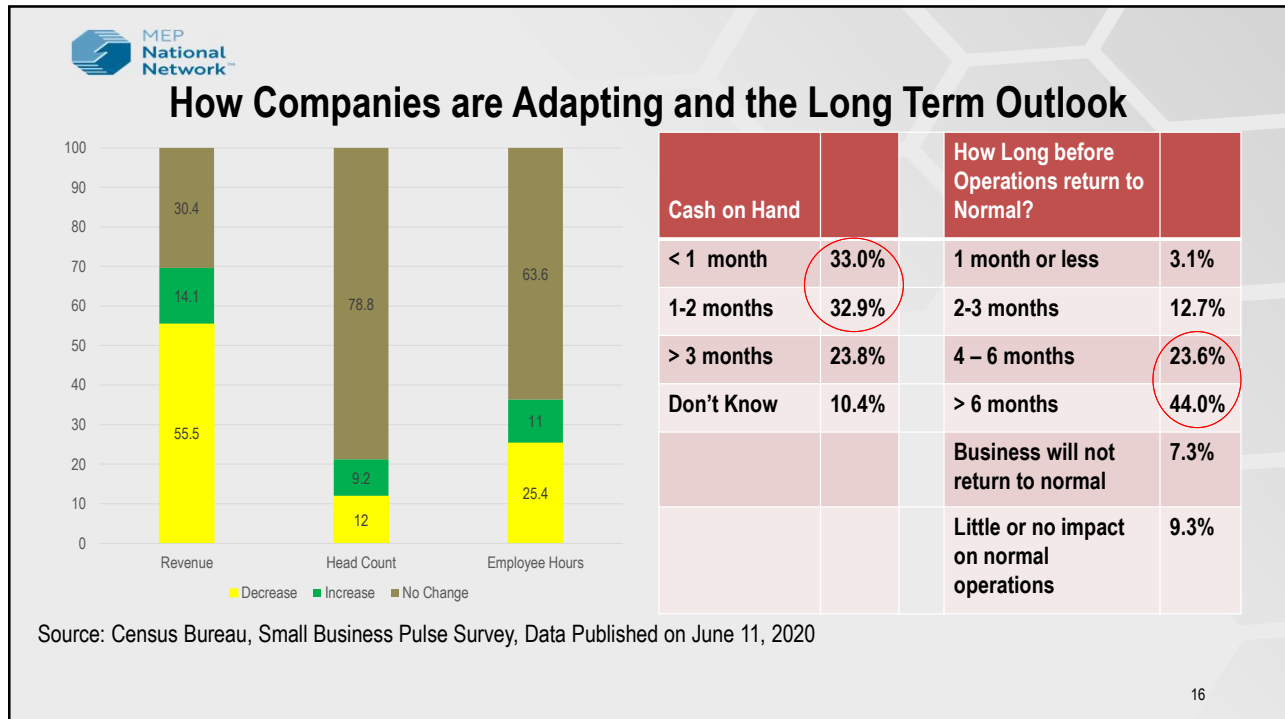
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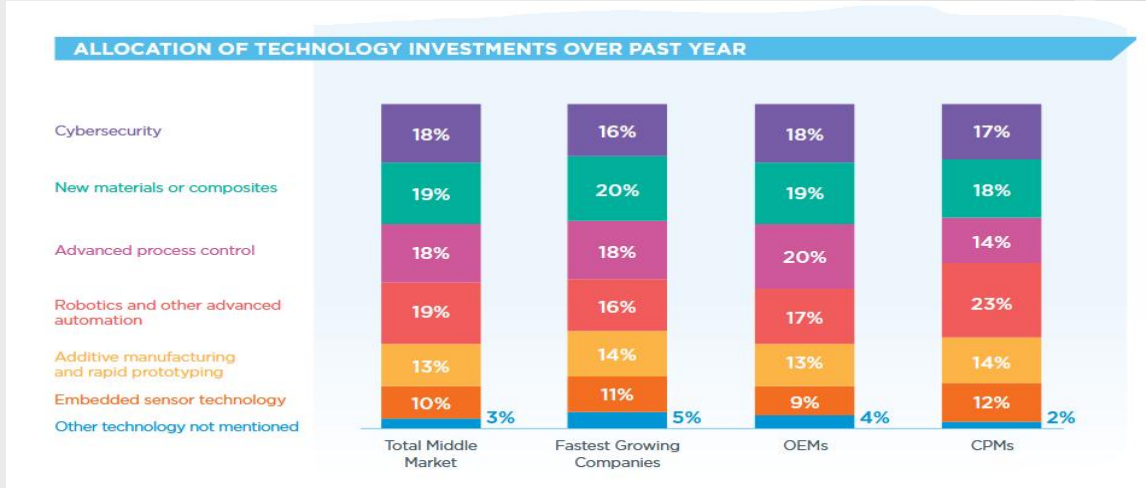


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## Where Manufacturers Are Placing their Technology Bets



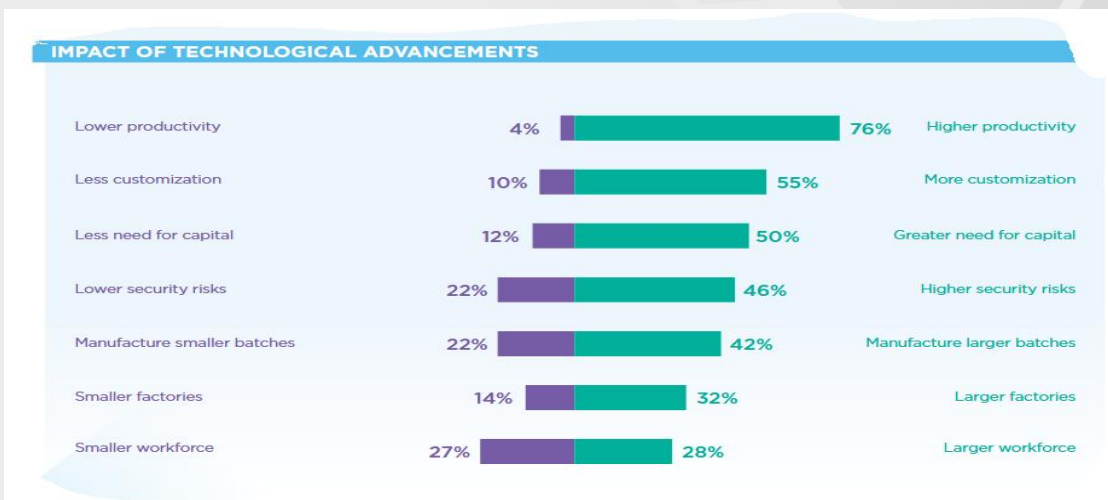
Source: National Center for the Middle Market, How to Thrive in a Transforming Environment (2018).

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## The Effect Differs across Dimensions



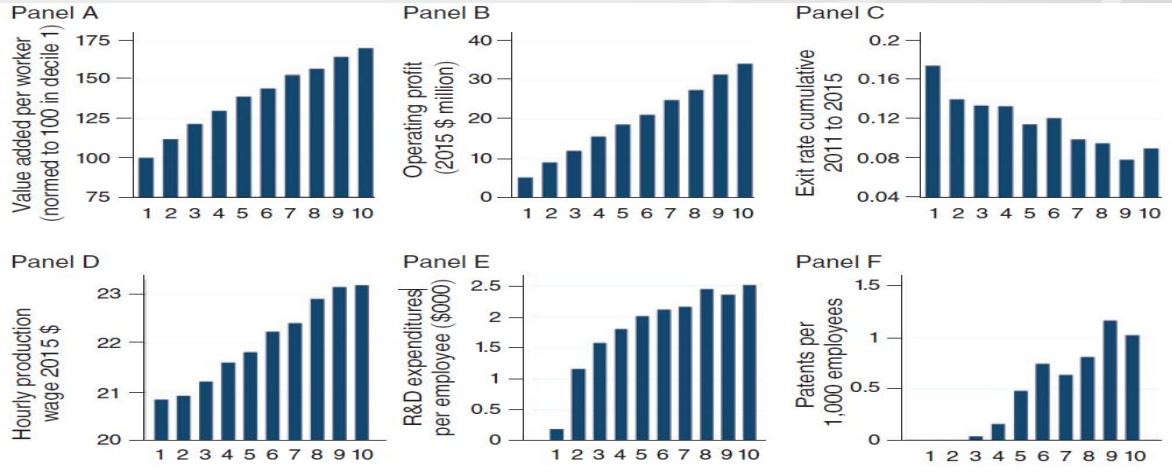
Source: National Center for the Middle Market, How to Thrive in a Transforming Environment

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## Management Matters to Manufacturing Performance



Source: N. Bloom, et al, (2019) What Drives Differences in Management? *American Economic Review* 109(5).

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## The Factors that Matter for Growth

THE MOST 7 MOST IMPORTANT GROWTH DRIVERS & THEIR WEIGHT IN THE GROWTH MODEL



Source: National Center for the Middle Market, THE DNA OF MIDDLE MARKET GROWTH: The Three Types of Growth Champions and the Factors that Drive Their Success

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## The Path Forward

- The Importance of Managers and Leaders
- Health, Safety, and Workspace Design
- Technology, Techniques, Tactics (Strategy), and Talent
- Productivity (Doing ***more*** with the same inputs)

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