

**GALORATH**

# Generative AI & Manufacturing 4.0

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# Situation Analysis

- **Tariffs, reshoring, and global instability** are accelerating disruption across U.S. manufacturing.
- **Traditional estimation tools are fragmented**—disconnected from design, procurement, and risk.
- **Organizations are exploring AI**, but most lack strategy or structure.
- **Generative AI + Cost Intelligence** enables faster, more informed decision-making.

# State of the Industry

55%

Experiencing Supply Chain Disruptions

# State of the Industry

52%

Inaccessible or Outdated Data

# State of the Industry

76%

AI Not Operationalized

# State of the Industry

# Agentic & Boring

# State of the Industry

65%

Operationalizing in 2025

# State of the Industry

13%

Pursuing AI Literacy

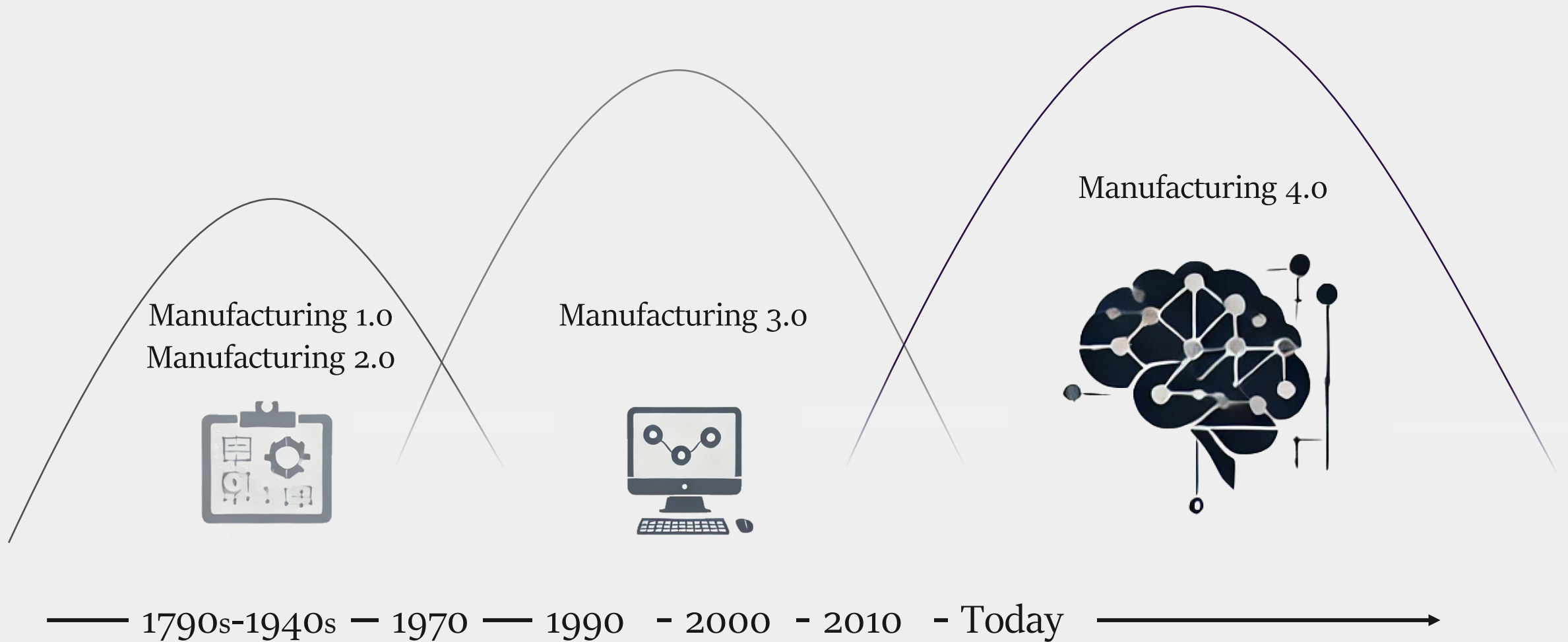
# Key Takeaways

- While leadership sees process inefficiencies, cost professionals and engineers report challenges linked to data quality and outdated tools.
- Organizations see opportunities with generative AI; workflows and processes can benefit significantly from agents and private LLMs.
- The vast majority of professionals are looking to learn and understand.

# Key Benefits of AI in Manufacturing

- Connect estimation to design, procurement, and risk
- Integrate supplier and historical data
- Scale institutional knowledge
- Real-time forecast updates based on internal and external

# Estimation & Analysis: A Historical View



# How to sort through the AI hype.

A discussion with industry veteran

Dan Kennedy

Discussion Topic

# **Industry Shifts & Challenges**

Discussion Topic

**AI and Manufacturing 4.0**

Discussion Topic

**Cost Estimation:  
Traditional vs New Approaches**

## Discussion Topic

**How does AI change the game?**

## Discussion Topic

**What about ethics and security?**

**GALORATH**

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**Q&A**

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