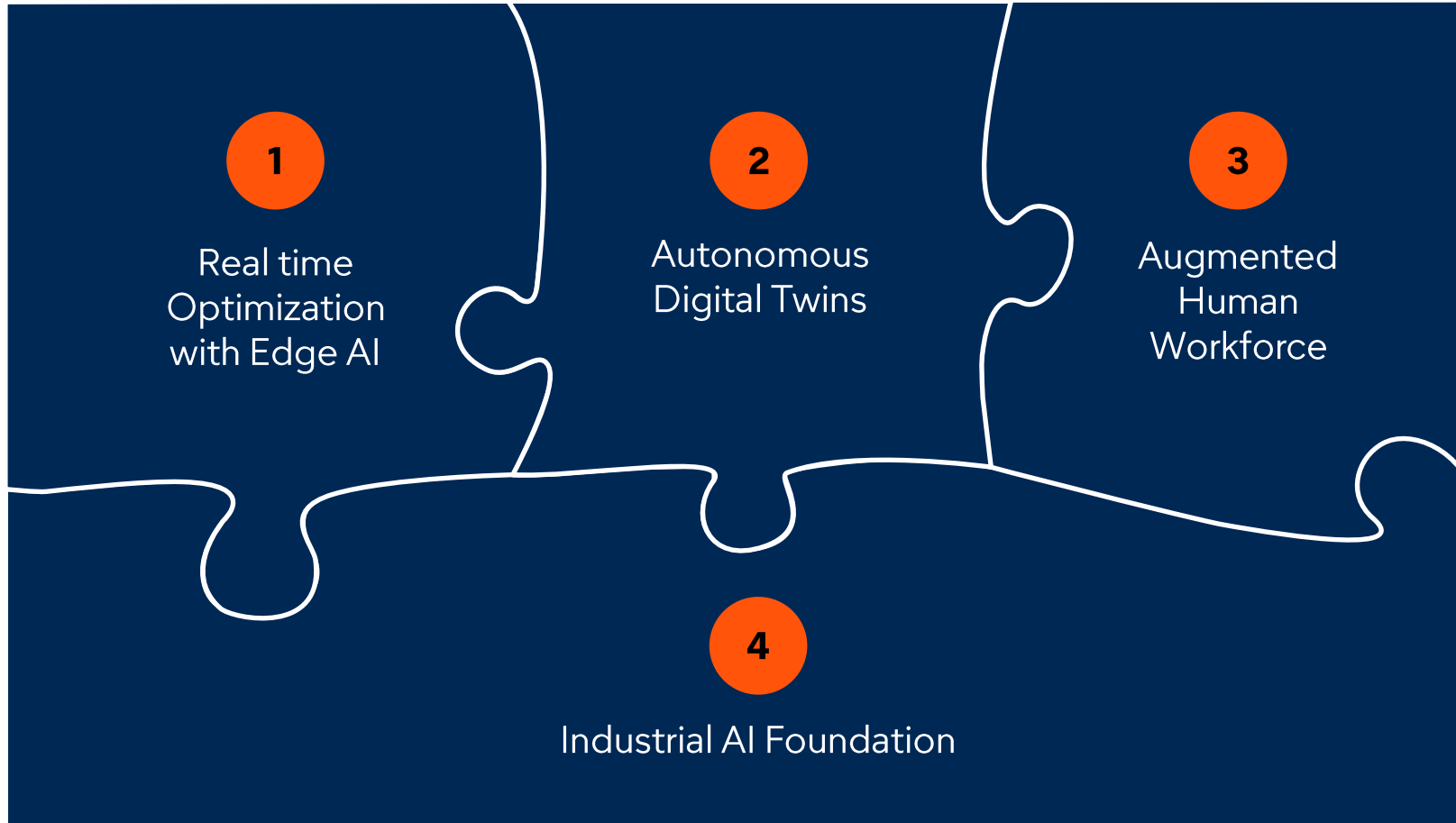


# Manufacturing Data Spaces Ignite Manufacturing Data Ecosystems

Bettina Tratz-Ryan  
VP Research  
Gartner

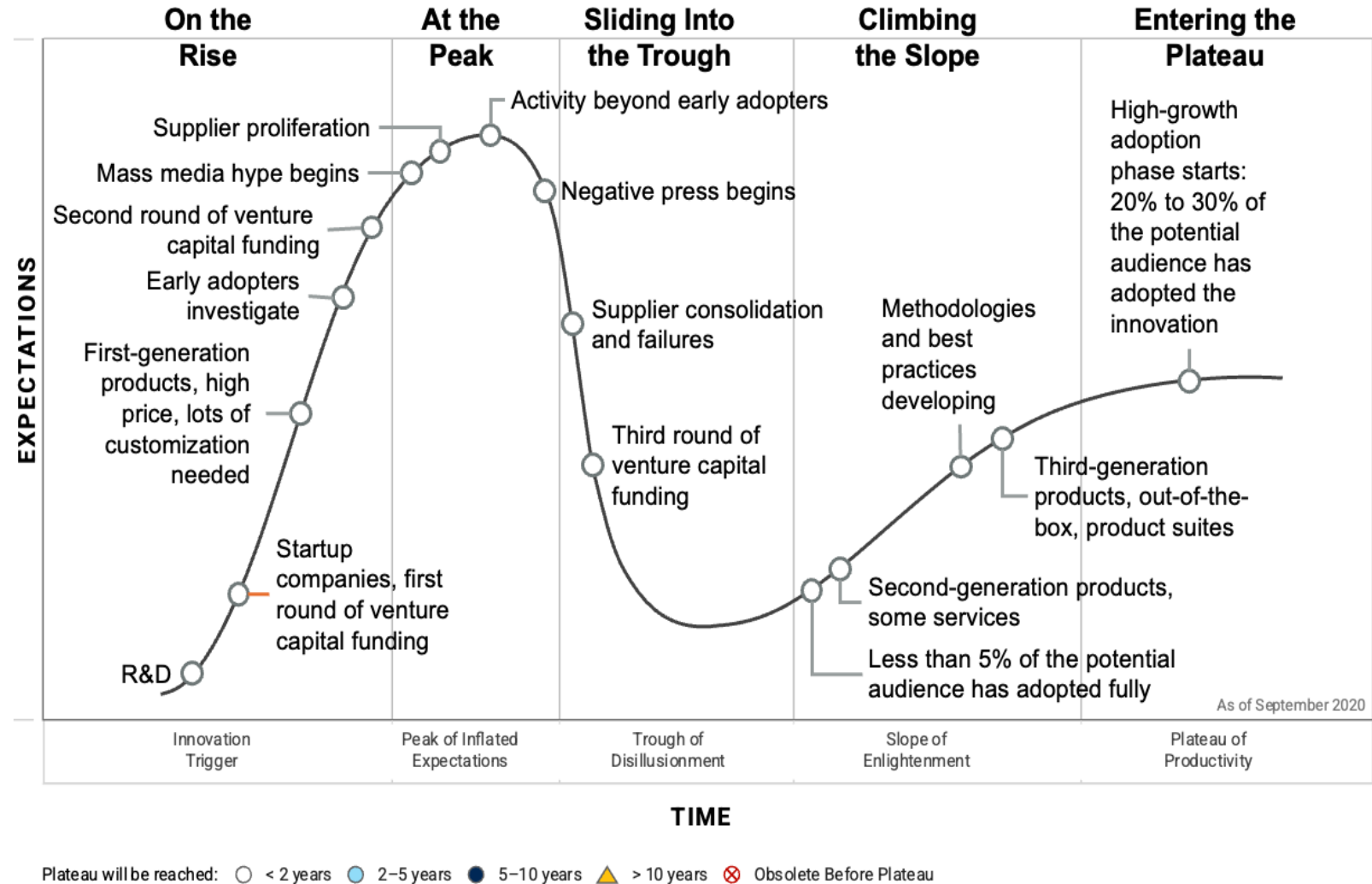
# Manufacturing Industry: New Age of Data Exploration



Source: Gartner 2026

A **Gartner Hype Cycle** provides a graphic representation of the maturity and adoption of innovations and how they are potentially relevant for solving real business problems and exploiting new opportunities

## Phases of the Hype Cycle



Source: Gartner

816827



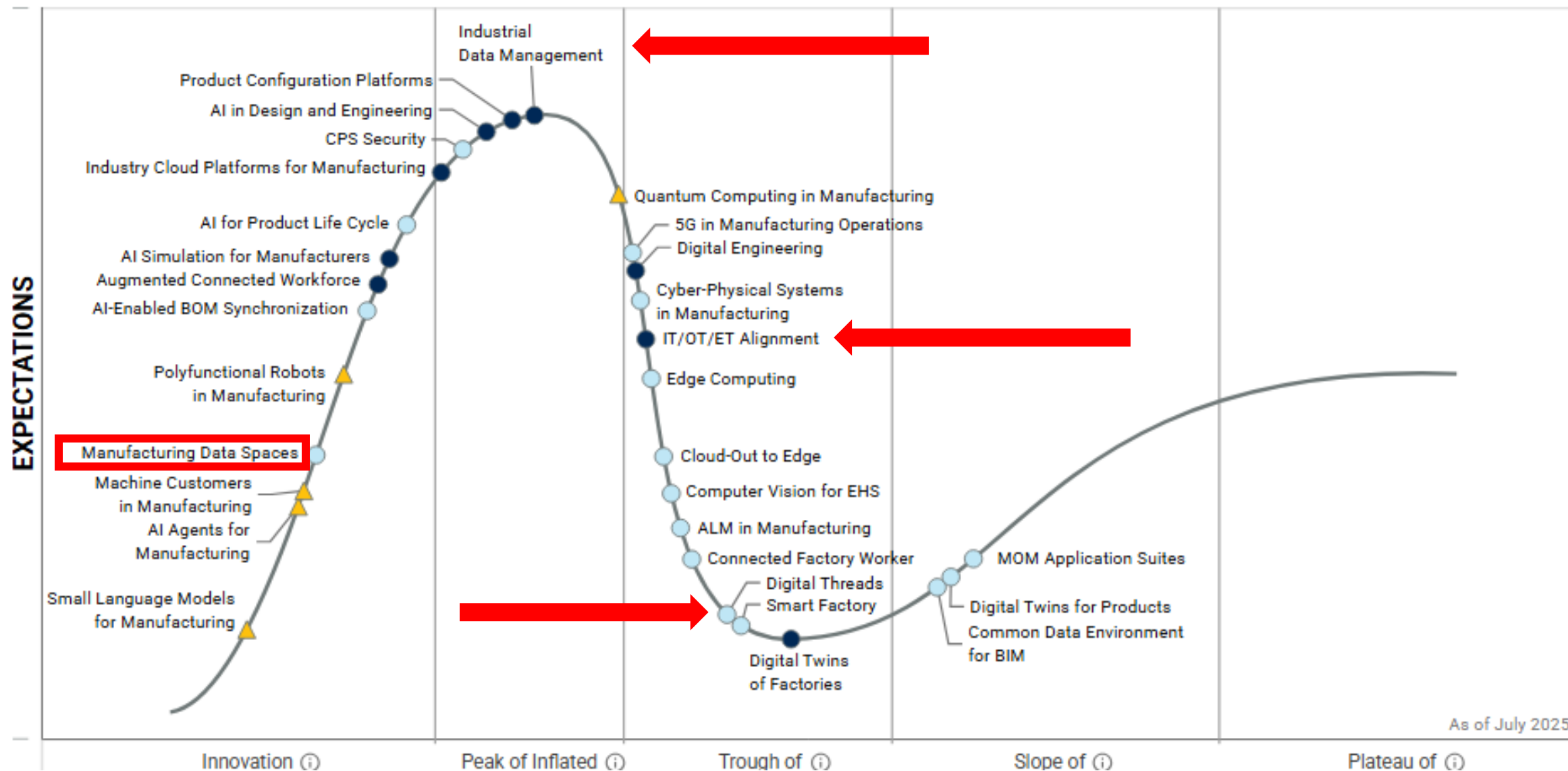
**The Hype Cycle helps organizations to invest their time and resources in the right innovations — at the right time — to maximize value while maintaining an acceptable risk profile.**

Time To Plateau Will Be Reached:

● 2–5 yrs.

● 5–10 yrs.

▲ > 10 yrs.



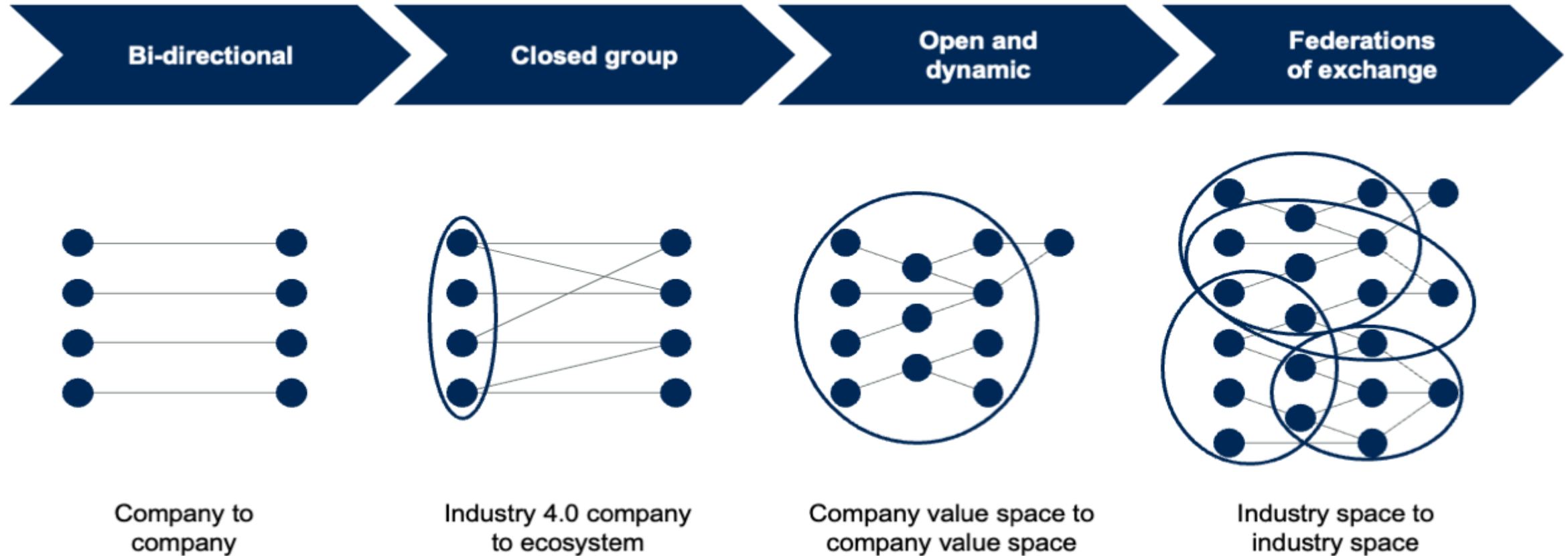
As of July 2025



**Organizations that view data spaces merely as tools, rather than as strategic data management capabilities, risk undermining their data-driven efficiency, innovation, and competitive differentiation.**

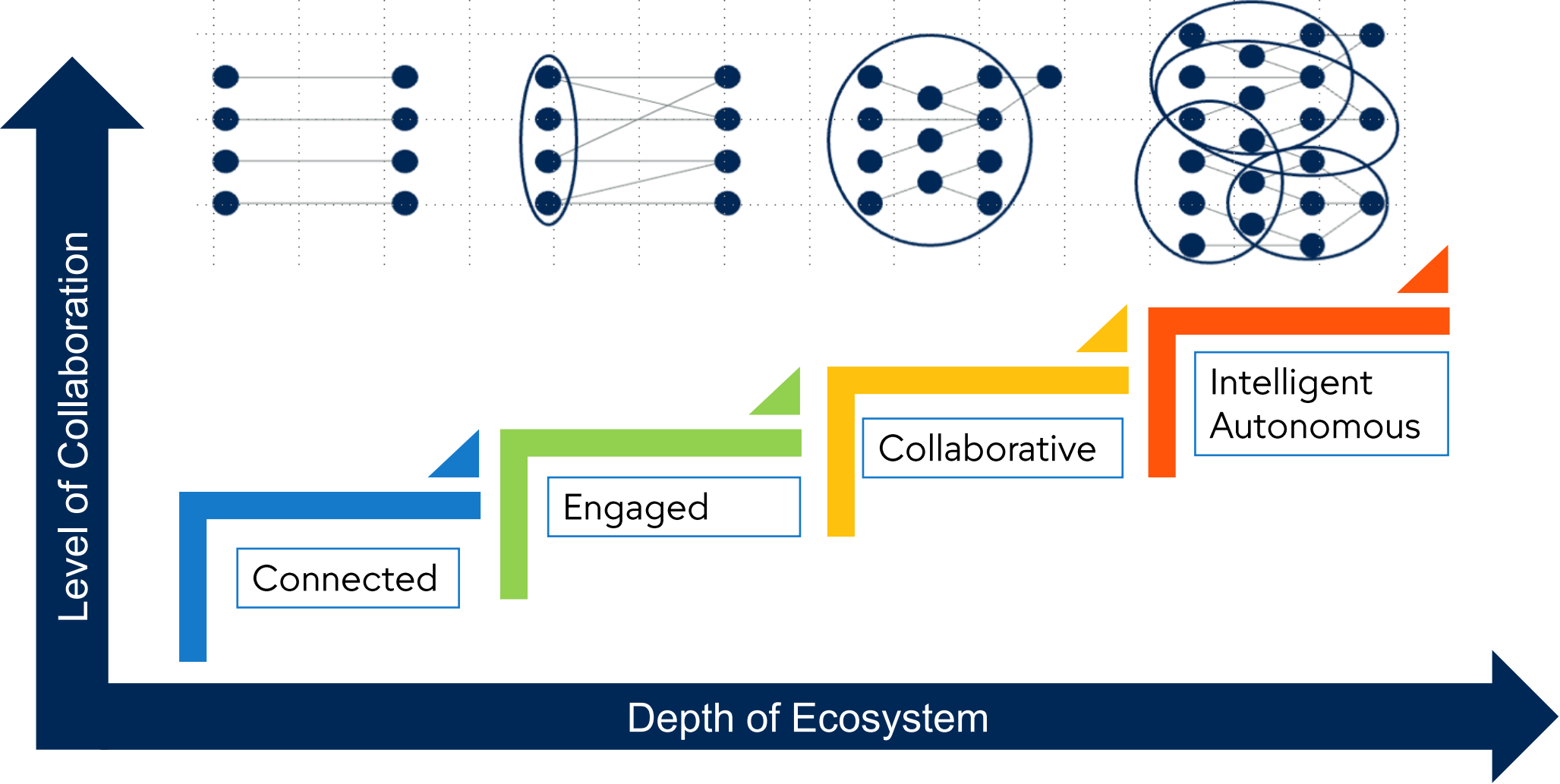
# Data Sharing in Industry Transformation

● Individual entities ○ Data spaces



Source: Gartner  
826696

# Data Engagement Level For Data Sharing





# Data is the Foundation for Industry Business Resilience and Innovation

## Data Sovereignty

The scope of digital sovereignty will impact data residency, privacy, encryption, data management, access and control, as well as cloud platforms.



## Digital Thread

Data Standardization will enable connection, orchestration and presentation of data alongside a life cycle of products and services.

## Data Ecosystem

GenAI will democratize data consumption and data engagement.

Source: Gartner 2026

# Recommendations for Industry Implementation

Establish a **digital governance structure** designed to create standardized semantic data models, enabling secure and efficient data exchange for using manufacturing data spaces and supporting digital threads.

**Begin today** to prioritize actionable use cases, and leverage both technical solutions and organizational change to drive sustained success in data management and unlock the full potential of your data asset.

Establish a **data-first culture** that prioritizes data-driven decision making and the development of reusable data products. This is a talent and skill development opportunity.