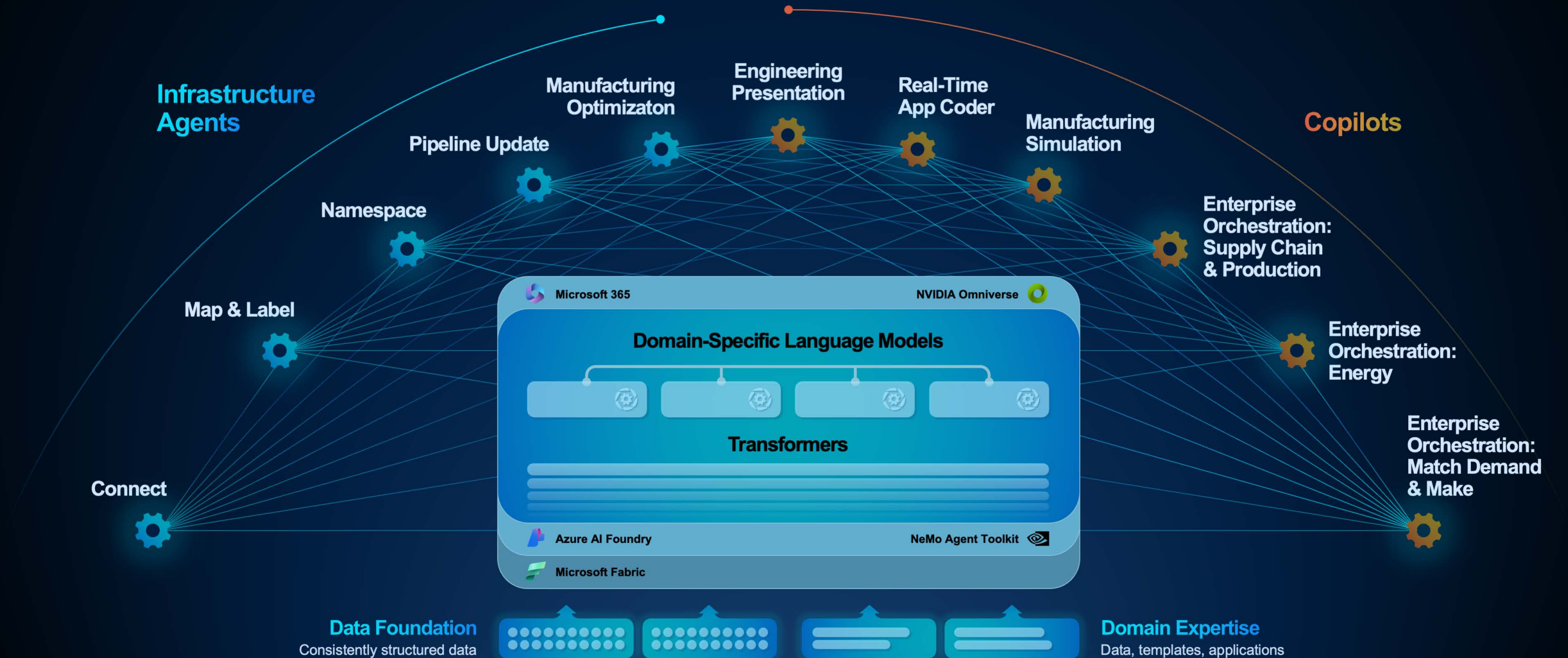# The Sight Machine Offering: Structuring Data Is at the Core
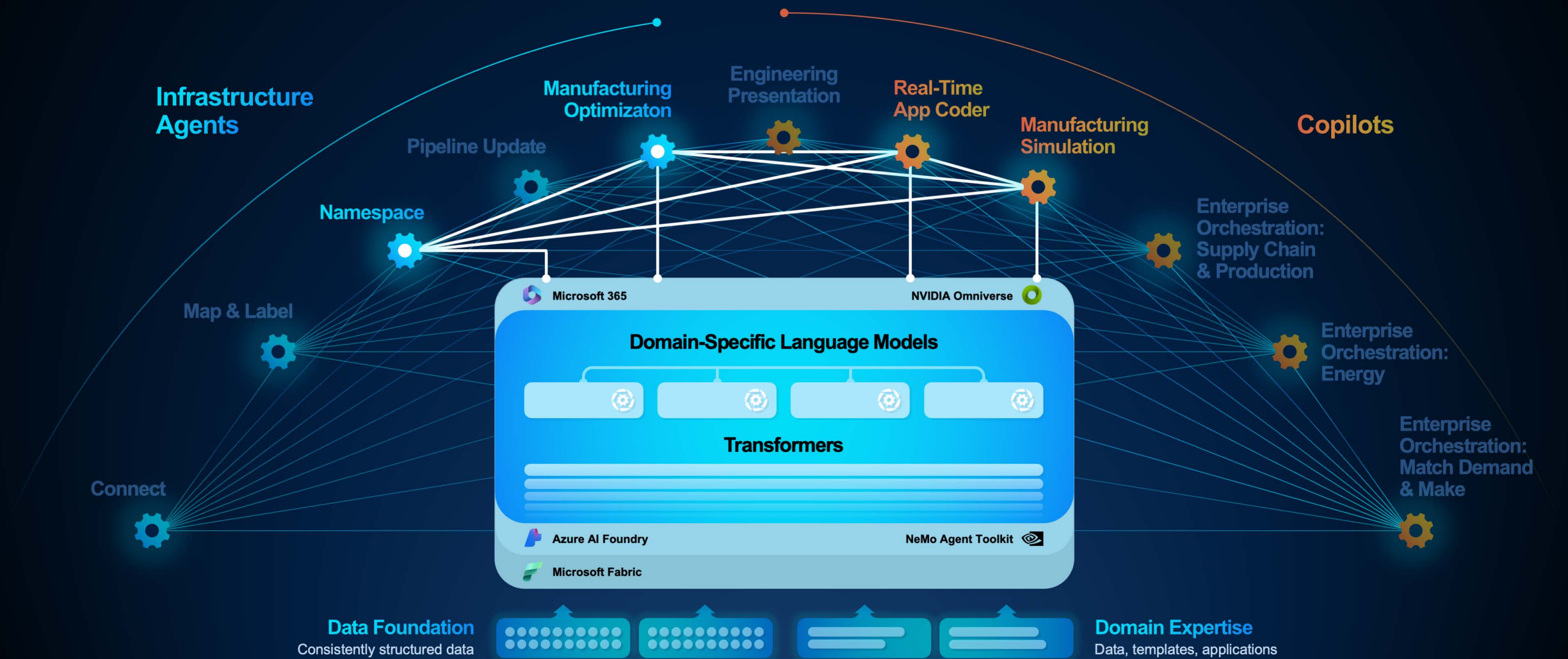
Data transformation is automated, early, and universal. Highly variable plant floor data is ingested, labeled, continuously structured into four common building blocks of information (Data Foundation), associated into models (twins), and analyzed in real time

Connect
Securely ingest all plant data

Energy, Weather, Cost
ERP
MES
Historians
Quality
Materials Data
Controls/Automation

Transform
Automate data transformation

- ✓ Stateful, domain-oriented transforms
- ✓ Low code/no-code
- ✓ Automated feature generation for AI

Analyze
Analyze transformed data with pre-built twins, apps, AI, out-of-box GenAI

Data Foundation
Four domain-specific schemas

Build
Share transformed data with other applications

WMS   SCM   MRP   Production Planning

S&OP   ML Ops   CMMS   CRM

Results
Make data useful for all stakeholders

- ✓ Operations Leaders
- ✓ Process Engineers
- ✓ Operators
- ✓ IT Managers
- ✓ Data Scientists
- ✓ Supply Chain
- ✓ Sustainability
- ✓ Connected Machines/ After-sales Service
- ✓ Value Chain: Cross-firm

Agents Are Used Both to Implement and Scale (Infrastructure Agents) and to Optimize and Analyze through Orchestration (Copilots)

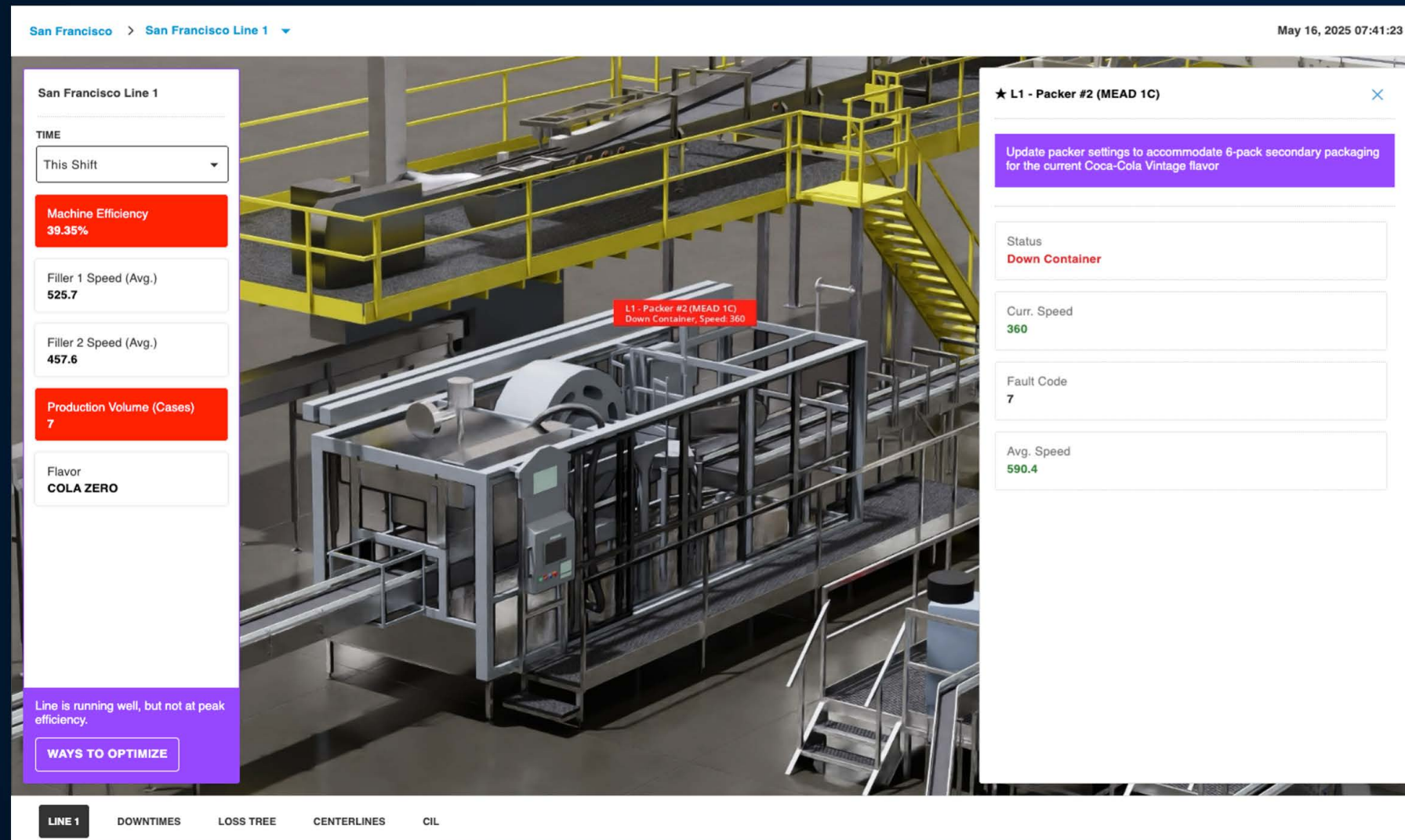# Orchestration through LLMs

Infrastructure Agents

Manufacturing Optimizaton

Engineering Presentation

Real-Time App Coder

Manufacturing Simulation

Pipeline Update

Namespace

Map & Label

Connect

Copilots

Enterprise Orchestration: Supply Chain & Production

Enterprise Orchestration: Energy

Enterprise Orchestration: Match Demand & Make

Microsoft 365

NVIDIA Omniverse

Domain-Specific Language Models

Transformers

Azure AI Foundry

NeMo Agent Toolkit

Microsoft Fabric

Data Foundation
Consistently structured data

Domain Expertise
Data, templates, applications

Operator Agent: Representative Use of Agents and 3D
The Microsoft, NVIDIA + Sight Machine Joint Solution Delivers Value in Weeks

Real-world Results

Initial Outcomes in Weeks

20%

Improvement to profitability in a leading packaging manufacturer's first plant. This manufacturer is now using the platform in 10+ plants

78%

Reduction in defects from glass furnace

$750k/line/year

In avoided downtime through prediction and avoidance of VFDs failure at bottling plant