

# CORE

**Smart Manufacturing Simplified:  
The Future of Automated Manufacturing Operations Management**

# Today's manufacturing softwares are broken



## Point to Point Integrations

Multiple communication channels become hard-to-maintain, leaving manufacturers struggling to scale efficiently



## Data Silos

Fragmented systems isolate critical operations data, making it difficult to gain a unified view



## No Advanced Activities

Disconnected data sources prevent manufacturers from unlocking Advanced Planning and Scheduling (APS), and maximizing business value from AI



## Large Price Tag

IIoT platform implementations are costly due to the expensive expertise required for development



## Rigid

Out-of-the-box software forces businesses to conform their processes to the application



## Time Consuming

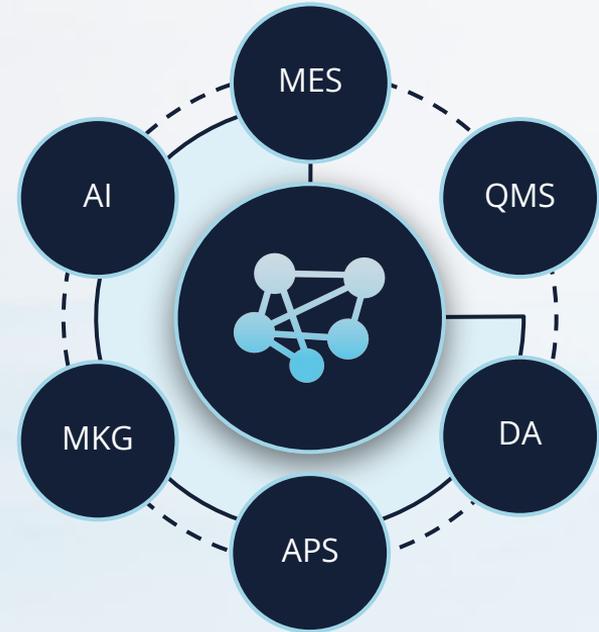
Lengthy implementation times delay manufacturers from realizing business value

# The solution: Manufacturing Operations Management

Manufacturing Operations Management (MOM) harmonizes production, quality, inventory, and maintenance processes to optimize plant performance.

There is no need for multiple softwares—our end-to-end solution seamlessly connects data, streamlines knowledge management, and integrates AI.

Reduce costs, eliminate technical debt, and create a single source of truth for all manufacturing data.



# Connecting strategy to execution

## Enterprise Layer

Business Management

**Business Planning and Logistics**

## ISA-95 Layer

Level 4 - ERP, PLM

Manufacturing Management

**Manufacturing Operations Management**



Level 3 - MES, QMS, CMMS

Production Control

**Batch Control**

**Continuous Control**

**Discrete Control**

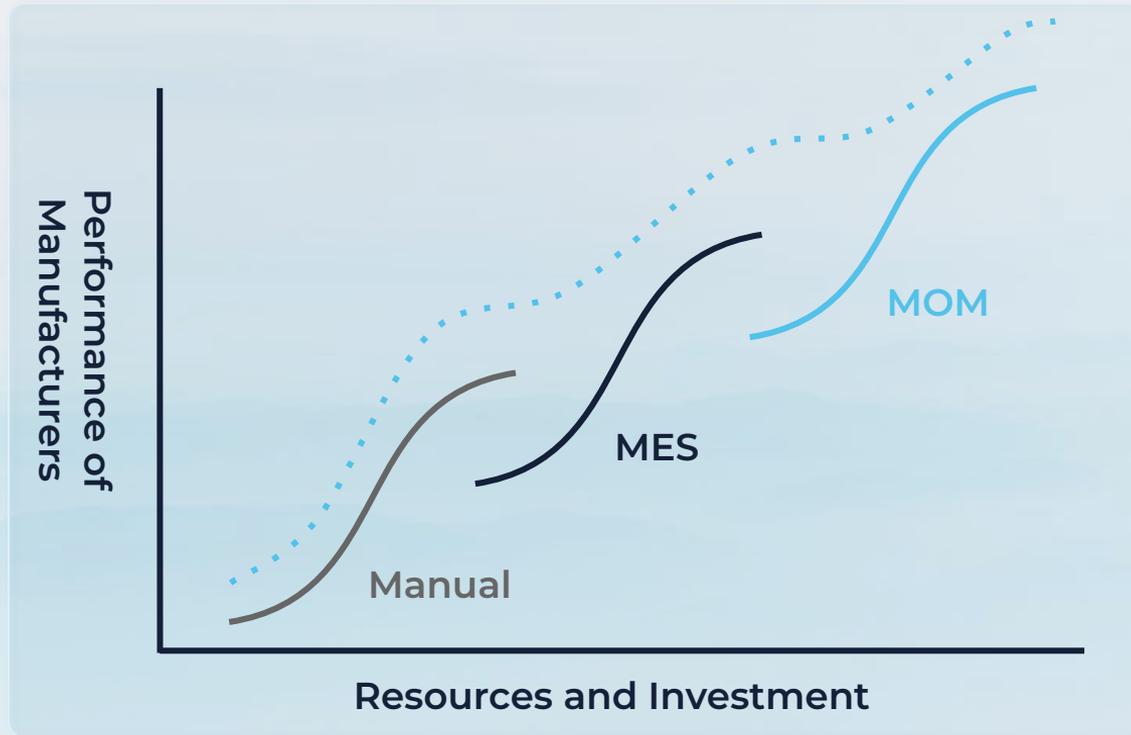
Level 2 - Control Systems

Level 1 - Sensors

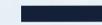
Level 0 - The Process

**WE PUSH MANUFACTURING  
FORWARD.**

# The next S-Curve: MOM



Traditional MES software addresses specific operational problems



**MOM solutions unlock broader innovation across all aspects of manufacturing**

# How Core stacks up to traditional MES

	Traditional MES	Core MOM
Functionality	Focused on production execution	Comprehensive coverage of production, quality, inventory, and maintenance
Production Scheduling	Import Operations Schedule from ERP, basic finite scheduling with rigid constraints	Advanced Planning & Scheduling (APS) with AI/ML for dynamic optimization
Data Model / Architecture	Siloed relational database with rigid schemas	Unified graph database for contextualized data and knowledge graph
Real Time Data Acquisition	✗	✓
AI/ML	✗	✓
Time to Value	6-12 months	4-6 months
Cost	High cost due to licensing, customizations, and maintenance	Lower TCO with subscription-based model

# What sets us apart



## Protocol Agnostic

Connect any machine, access all your data, and gain a comprehensive understanding of your manufacturing processes



## Scalable Solutions

Our solutions are designed to effortlessly adapt to your manufacturing needs



## Lowest Cost in the Industry

Experience the benefits of smart manufacturing without the premium price tag



## Manufacturing Excellence

Adhering to the ISA-95 standard, our software delivers a structured approach to knowledge management



## Generative AI

Our software leverages GraphRAG to optimize responses and reduce hallucinations

**WE MAKE AI ACCESSIBLE.**

# Companies are struggling with AI adoption...

# 83%

of manufacturing businesses are not leveraging AI technologies

—  
This presents a unique opportunity for forward-thinking companies to gain a competitive edge

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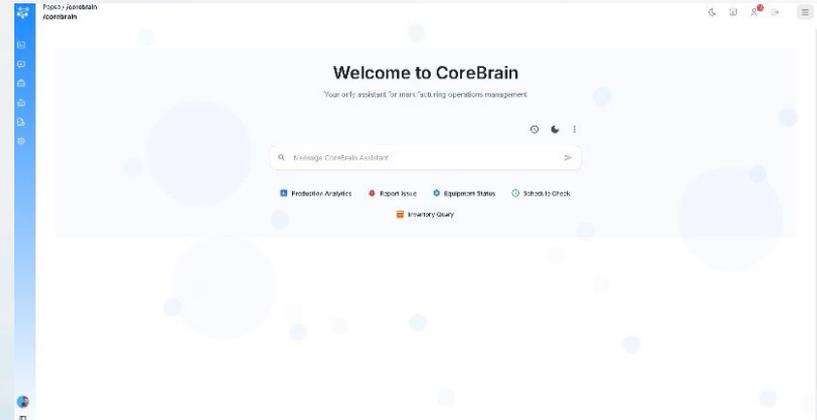
# ...and we're here to make it easy

## Operational from Day One

Out-of-the-box functionality ensures that your team can begin leveraging AI insights as soon as the solution is implemented

## No Extensive IT Resources Required

Our solutions are designed for fast deployment with minimal infrastructure demands, reducing reliance on large internal IT teams



## Scales with Your Data Model

As your underlying data model expands, your genAI application unlocks deeper insights

# AI that delivers business value



Get real-time insights and understand the current state of your business anytime, anywhere

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**Real-Time Intelligence**



Automate system maintenance by leveraging pre-built workflows to execute repetitive tasks

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**Automate Workflows**



Equip workforces with fast answers and quick solutions to problems on the plant floor

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**Maximize Efficiency**

**WE PROVIDE TAILORED  
SOLUTIONS.**

# A partnership approach



## Phased Growth

We collaborate with customers to define a digital transformation journey centered around their respective needs



## Ongoing Support

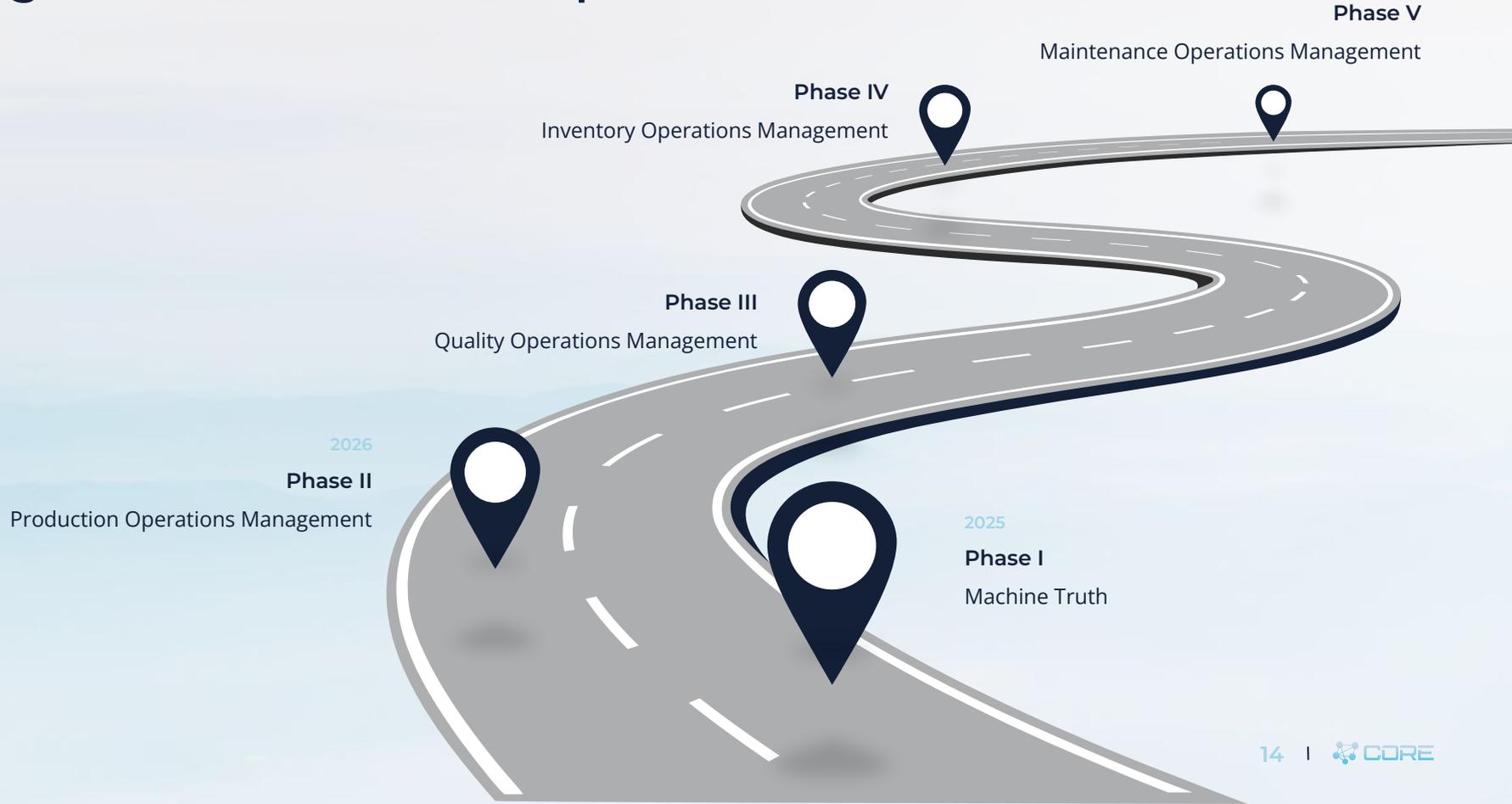
Continuous engagement to keep our customers at the forefront of innovation and ensure the success of their digital strategy



## Training

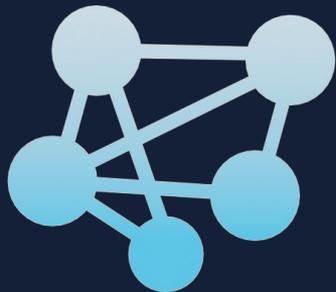
We empower teams with the knowledge to extract maximum value from our solutions

# Digital transformation simplified



# Phase I Feature Set - Machine Truth

<b>State Monitoring</b>	Equipment Utilization, Process Data Viewer
<b>Downtime Tracking</b>	Downtime by Reason, Fault by Reason
<b>KPI Management</b>	OEE, Attainment, FTT, Scrap Dollars & Percent, Threshold Monitoring
<b>Andon &amp; Help Requests</b>	Shop floor Dashboards, EOL Screens, Threshold Monitoring, Email Notifications, Andon Help Requests, Bin Management, Label Printing
<b>Quality Management</b>	SPCs, Reject Quality Pareto, Reject Heatmap, Deviations, Work Instruction Training Level
<b>Traceability &amp; Genealogy</b>	Part Tracking - Individual Part Serialization, Machine Interlocking
<b>Resource Management</b>	Role-Based Equipment Information Modelling, Unified Namespace
<b>Artificial Intelligence</b>	Personal Assistant



# CORE

No Platforms. Only Solutions.