

MOM 360™

Composable Manufacturing Operations Solution

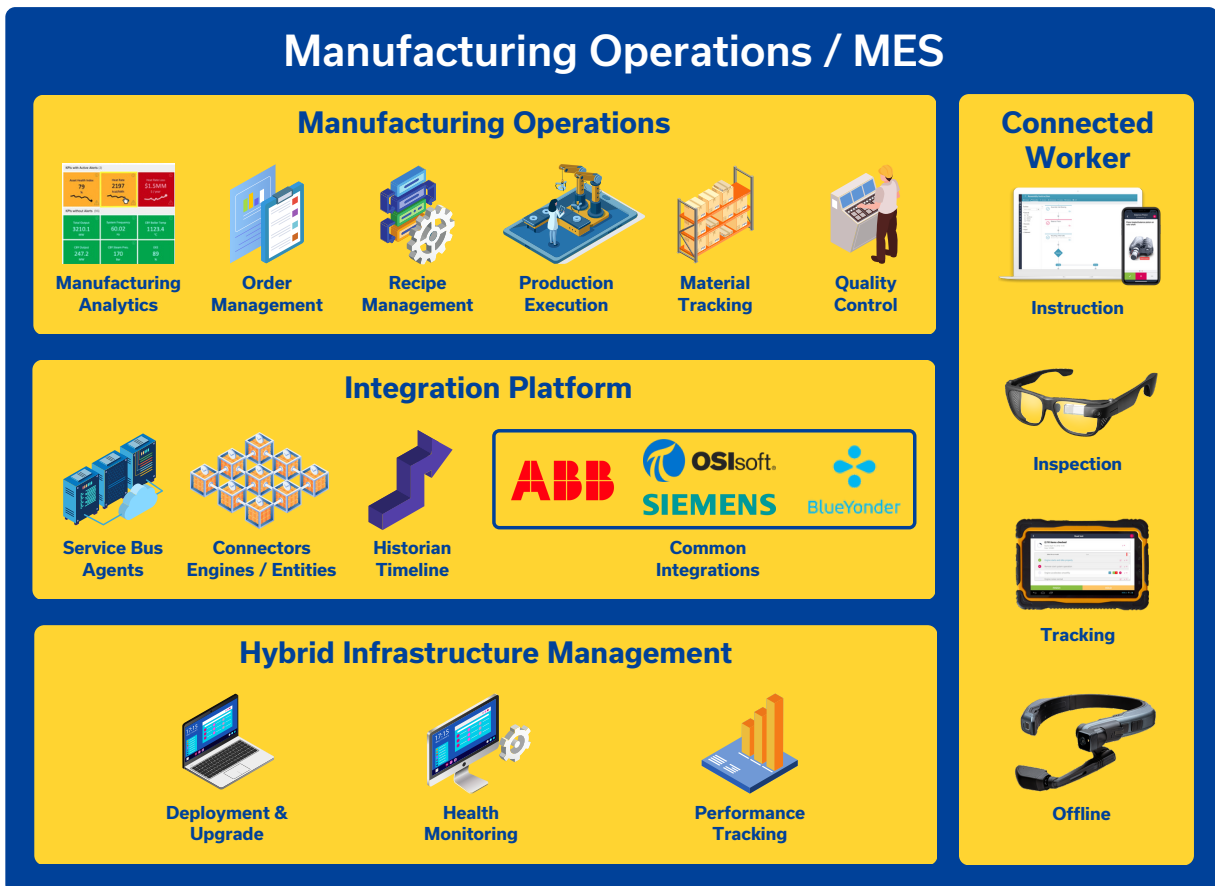
MOM 360 is an AI powered, composable, workflow-driven, operation-centric, enterprise platform specialized for manufacturing operations.

OVERVIEW

SymphonyAI Industrial's AI-embedded MOM 360 is a composable, workflow driven application solutions suite is the next generation Manufacturing Operations solution which enables organizations to turn on and implement only the processes they need, thus reducing the time-to-value as compared to traditional MES solutions. Industries for MOM 360 include Agriculture, Food & Beverage, Chemical, Specialty Chemicals, and Discrete.

USER BENEFITS

- **Productivity of the end-user in performing their mission critical tasks**
- **Paperless / digitalized manufacturing processes**
- **Analytics driven manufacturing intelligence and execution**
- **Reduced IT footprint in managing the solution footprint**



5 MAJOR BUILDING BLOCKS

- **MES core** - A list of productized modules that provide the core MES functions in line with MESA model's eleven key capabilities. The composable character of these modules along with the best-in-class multi-device user experience, and seamless integration into AI application provides a next-gen MES system that comprises of a system of process (enabling operation centric approach), record and intelligence.
- **Integration layer** - An embedded, scalable, and robust integration layer (service bus) library of pre-built connectors that makes it easier to tie together systems, equipment, sensors, and people.
- **Digital Manufacturing layer** - Enables composing and reusing of manufacturing functions resulting in faster time to value and spreading 'productized and certified' capabilities across multiple plants. Additionally, the layer offers real-time tracking of every minute activity driven by the solution in real (or near real time).
- **Manufacturing Intelligences** - Embedding AI embedded intelligence driven insights into manufacturing operations to drive efficiencies – batch, flow and discrete sequencing and execution optimization, quality tracking with computer vision inspection and ability to track Key Performance Indicators (KPIs) that drive person, process, and work-cell efficiencies.
- **Proceedix** - A connected worker platform to create and manage digital inspections, checklists and guided work instructions workflows which are delivered through tablets and glasses.

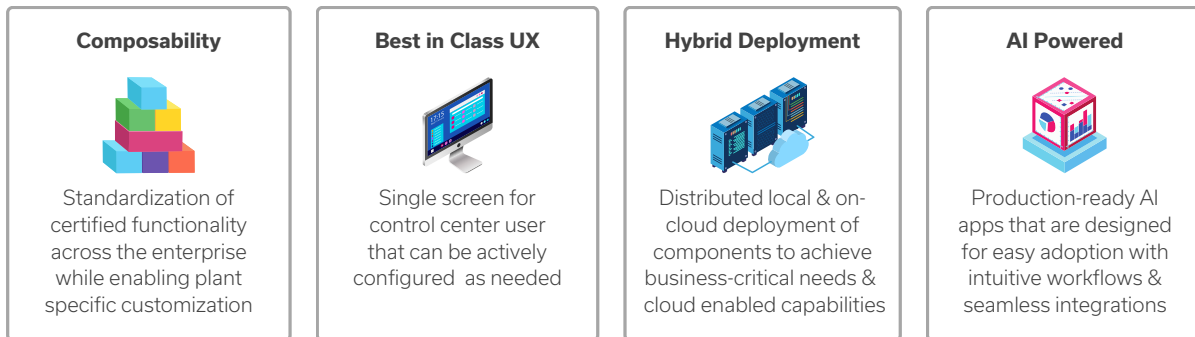
CAPABILITIES

MOM 360 is a next-gen manufacturing operations management solution that encompasses manufacturing execution and plant operations capabilities.

- **Order Management** - Initiate (or exchange from ERP) production orders, then monitor the manufacturing execution. Adhere to ISA95 standards as a best practice.
Value - Ensure time-to-market, optimal order execution metrics.
- **Recipe Management** - Manage the site recipe (product composition) and the control recipe (SCADA, DMC, PLC control configuration) definition for manufacturing products and process.
Value - Track material composition and asset configuration.
- **Production Execution** - Drive an end-to-end manufacturing workflow at the line and work-cell level using human replaced automation or human empowered mechanisms.
Value - Configurable workflow, asset connectivity.
- **Material Tracking** - Track material consumption "in-process" and "in-real-time".
Value - Measure waste and identify specific areas of cause.
- **Quality Control** - Automated in-process quality analysis. Track & trace the material for genealogy.
Value - Audit records with timestamp. Ability to identify material, contamination, mix to avoid loss of material.
- **Manufacturing Intelligence** - Offering an AI-powered capability to draw data-driven process and operational efficiencies and recommend insights and actionable information.
Value - Operational efficiency, data-driven improvements off process, quality, and resource utilization.



UNIQUENESS & DIFFERENTIATING FEATURES



FUNTIONAL ARCHITECTURE

MOM 360 has a hybrid architecture which is the best of both worlds. The on prem system acts as a system of process while the cloud platform functions as a system of Intelligence and system of record.



VISIT US

For additional details, please visit our [website](#) to learn more about how SymphonyAI Industrial's solutions can optimize your manufacturing operations, or to become a partner, send us an email to info-dm@symphonyindustrial.ai. We have experts ready to assist with your digital manufacturing needs.

About SymphonyAI Industrial

SymphonyAI Industrial, a SymphonyAI business, is an innovator in industrial insight, accelerating autonomous plant operations. The industry-leading EurekaAI/IoT platform and industrial optimization solutions connect tens of thousands of assets and workflows in manufacturing plants globally and process billions of data points daily, pushing new plateaus in operational intelligence. SymphonyAI Industrial solutions provide high value to users by driving variability out of processes and optimizing operations for throughput, yield, energy efficiency, and sustainability.