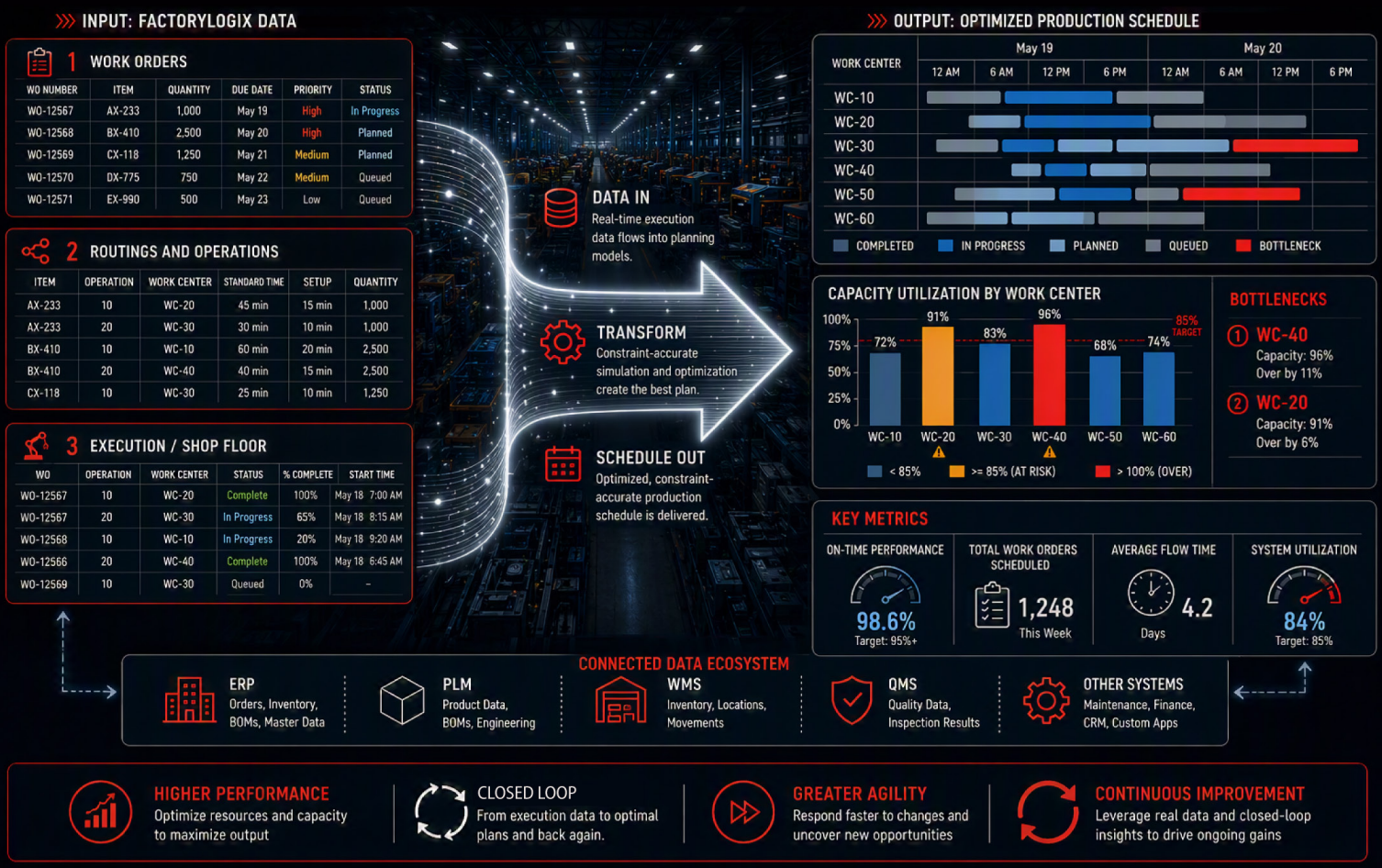
DATA SHEET

AEGIS SOFTWARE

Simio Essentials

Basic Scheduling, Capacity Planning, and Bottleneck Analysis



Extend FactoryLogix with Intelligent Production Planning

FactoryLogix is a Manufacturing Operations Platform that connects, orchestrates, and controls manufacturing operations through a contextualized understanding of every product, process, material, resource, and production event. Simio Essentials extends the platform with production scheduling, capacity planning, and bottleneck analysis, automatically generating realistic, constraint-aware production schedules without simulation expertise, additional infrastructure, or spreadsheet planning.

For plant managers and production planners managing daily scheduling challenges, Simio Essentials provides capacity planning visibility to identify where the floor is over or underloaded, and bottleneck analysis to surface where flow is being constrained before it causes missed delivery dates or excess work in progress. It also provides overall factory performance information such as throughput, work in progress (WIP), and on-time delivery (OTD) performance.



Why FactoryLogix Manufacturers Use Simio Essentials

Real Production Schedules

Generates forward-looking schedules directly from FactoryLogix work order data, replacing spreadsheet planning with constraint-aware production intelligence.

Capacity Visibility

Identifies where the floor is over or underloaded before capacity issues affect delivery performance or create excess WIP.

Bottleneck Analysis

Surfaces where production flow is being constrained by primary production equipment so teams can act before disruptions occur that might cause a potential ripple effect through the schedule.

No Simulation Expertise Required

Automatically builds a production model using FactoryLogix products, routings, resources, and work orders, without custom development or simulation expertise.

Planning Capabilities

- Production scheduling using FactoryLogix work orders, release dates, due dates, ship dates, routings, resources, and current production status
- Capacity planning across workstations and production lines for the end-to-end manufacturing process
- Bottleneck identification and constraint visibility before disruptions occur
- Automated schedule generation without custom simulation model development
- In-process work order initialization at current workstation and task state
- Detailed product routing and equipment selection to ensure optimum flow

A Real Schedule for Every Production Day

From work orders and materials to production resources and lines, Simio Essentials helps manufacturers understand how changes impact overall performance before they affect production. The result is greater confidence in planning, improved operational awareness, and a stronger foundation for continuous improvement.

