G R A N T E K and the OEE ACCELERATOR

DELIVERING THE FOUNDATIONS OF
YOUR IGNITION MES & OEE SOLUTION

Delivering OEE and Downtime Analysis solutions that are quick to deploy, customizable for your process, and scale across the enterprise; enabling your continuous improvement journey

WHO?

• Plant Managers & Engineering Teams
• Process & discrete manufacturers
• Continuous Improvement Teams
• Digital Transformation Leaders

WHY?

• Performance insights
• Downtime analysis
• Continuous improvement enablement

HOW?

• Fast time-to-value
• Expanding the Ignition platform
• Intuituve and easy-to-use

WHY OEE?

Overall Equipment Effectiveness, or OEE, is one of the most popular metrics for measuring asset performance and manufacturing efficiencies.

OEE measures Availability, Performance, and Quality to evaluate whether an asset is running on schedule, at the desired througput, and without producing defective products.

OEE solutions provide insights into how production systems are performing and where to focus attention in order to optimize factory output and drive operational excellence.
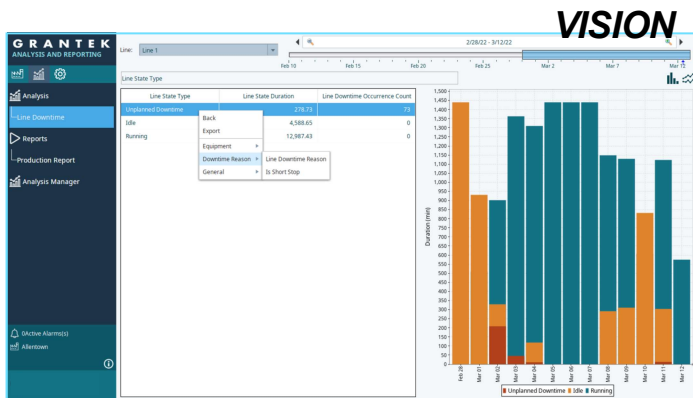
GRANTEK'S OEE ACCELERATOR

Grantek has assembled the core functionality of Sepasoft's OEE and Downtime MES module to expedite delivery of Performance Monitoring solutions on the Ignition platform. Grantek's OEE Accelerator delivers a strong foundation for Ignition MES deployments with fast time-to-value so that you get immediate results, but it is also designed for flexibility and scalability to adapt to your unique process, business case, and factory environment.

Powered by Ignition
by Inductive Automation

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OEE ACCELERATOR: COMPONENTS & FUNCTIONALITY

Grantek's OEE Accelerator is designed to maximize value out-of-the-box. These components are available from Day 1, and can be expanded and extended to meet your needs. Below is an overview of the various components included with Grantek's OEE Accelerator.

VISION

DOWNTIME ANALYSIS
- Analyze Downtime Events over time
- Drilldown per Downtime Reason, Equipment, Production Order and Product
- Export Analysis to CSV

PRODUCTION SCHEDULER
- Manage Detailed Scheduling
- Manually import Production Orders from files
- Manually create Production Orders

PRODUCTION REPORT
- Total Run Time
- KPI Indicators
- Line Efficiency
- Downtime Pareto Analysis

LINE SCORECARD
- View Line Status in Real time for Current Production Run
- Monitor Hourly Produced Quantity vs. Target Quantity for the Current Run, Shift, Last 12 or 24 hours
- Monitor line speed for the selected period

LINE EFFICIENCY DASHBOARD
- View Line Status in Real time for Current Production Run and Current Shift
- WIP, Produced Quantities and OEE KPIs
- Monitor Total Run Time
- Monitor Actual vs. Target Production
- View Downtime Reason

PRODUCTION RUN MANAGER
- View Downtime Events for the line and specific Line Cell
- Edit Downtime Reasons and comments
- Manually Add Downtime Events for the line and cells

PRODUCTION CONTROL
- View the current state of production lines
- View the Production Schedule
- Start and stop production runs

Powered by Ignition

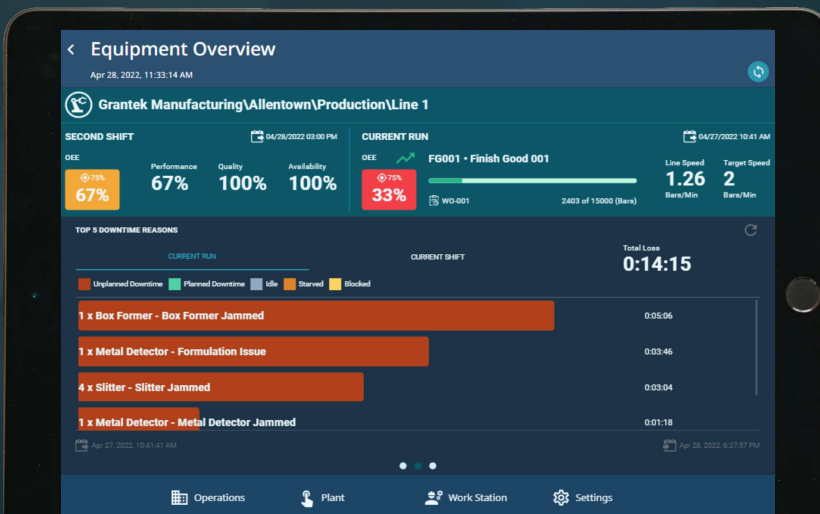GRANTEK

OEE ACCELERATOR
in PERSPECTIVE

The OEE Accelerator is available in Ignition Perspective to bring OEE access to any HTML5-enabled screen on the plant floor, in your office, or on your mobile. This makes OEE data entry and analysis available to any Operator, Supervisor, or Continuous Improvement team.

PERSPECTIVE

PERSPECTIVE

LINE EFFICIENCY DASHBOARD

LINE SCORECARD

Perspective provides operators on the shopfloor with access to OEE data and allows them to control production runs from their place of work. In addition to enhanced mobility, Grantek's OEE Accelerator in Perspective enables responsive design of system screens, is browser-based making it deployable in any operating system, responds to sensor information, and enables data collection from Bluetooth devices. Ultimately, Perspective enables a faster path to value for Grantek customers.
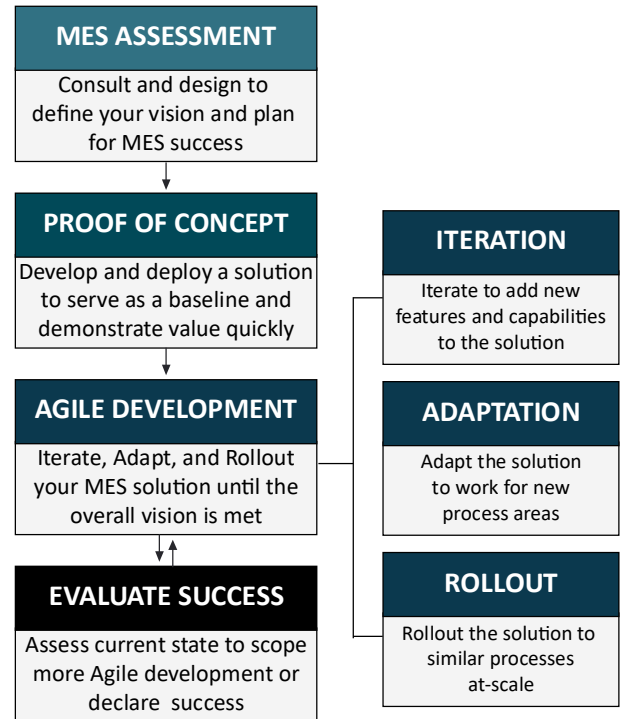

NEW AND IMPROVED

Perspective is a platform optimized specifically for mobile devices. The OEE Accelerator mobile app allows operators to monitor and control the state and performance of the production floor dirrectly from a tablet or mobile phone.

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OEE ACCELERATOR
SOLUTION VALUES & WHERE TO LEARN MORE

AGILE MES AND THE OEE ACCELERATOR

- The OEE Accelerator fits into Grantek's overall Agile MES strategy for delivering successful Smart Manufacturing solutions
- Agile MES encourages a collaborative, iterative approach to provide value to end users quickly while embracing continuous improvement opportunities
- The OEE Accelerator provides a strong foundation for Performance Monitoring solutions that can be improved, adapted, and rolled out at-scale to enable lean operations and provide universal insights

MES ASSESSMENT
Consult and design to define your vision and plan for MES success

PROOF OF CONCEPT
Develop and deploy a solution to serve as a baseline and demonstrate value quickly

AGILE DEVELOPMENT
Iterate, Adapt, and Rollout your MES solution until the overall vision is met

EVALUATE SUCCESS
Assess current state to scope more Agile development or declare success

ITERATION
Iterate to add new features and capabilities to the solution

ADAPTATION
Adapt the solution to work for new process areas

ROLLOUT
Rollout the solution to similar processes at-scale

GRANTEK OVERVIEW
Grantek is a leading provider of integrated manufacturing automation services with over 40 years of experience

OUR CUSTOMERS
Our customers are among the most respected manufacturers of global brands as well as niche manufacturers

OUR TEAM
The Grantek team guarantees a manufacturing facility, line or process that has been skillfully designed, engineered and executed

GRANTEK LOCATIONS
Toronto, ON
Vancouver, BC
Montreal, QC
Los Angeles, CA
Philadelphia, PA

Chicago, IL
Cleveland, OH
Miami, FL
Bengaluru, India

GRANTEK

DEPLOYMENT STRATEGIES

FAST-TRACK OEE ACCELERATOR

- Our fastest way to get Ignition/Sepasoft OEE running at your plant
- All remote work

MAJOR PREREQUISITES

- Ignition is already installed & connected
- Customer provides all OEE data
- Customer can provide remote access

SCOPE

5-days of remote work to review customer worksheet, configure OEE, test the solution, and activate on-site

STANDARD OEE ACCELERATOR

Grantek will send an Engineer on-site to do a quick assessment, do some prep work remotely, and then get you started with OEE

MAJOR PREREQUISITES

- Ignition is already installed & connected
- Customer is mostly-ready with OEE data
- Customer can provide remote access

SCOPE

2-day on-site assessment, 4-days of remote work to configure data, configure OEE, test the solution, and activate on-site

AGILE MES (MES ASSESSMENT)

If our Fast-Track and Standard options aren't a good fit, but you still want OEE, Grantek will follow our Agile MES strategy and get a team on-site to get started with an MES Assessment

MAJOR PREREQUISITES

- None

SCOPE

2-5 day on-site workshop to discover MES needs and develop a strategic implementation roadmap

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