ZEUS
Factory automation solution

Solution for Operational Visibility & Control (OVAC)

BENEFITS

- The solution helps maintain KANBAN velocity through real-time visibility into order status, inventory levels, progress across production lines and more

- The benefits gained exceed those delivered by ERP (Enterprise resource Planning) and MRP(Material requirement Planning) tools, which require laborious data entry, manual observations and paperwork.
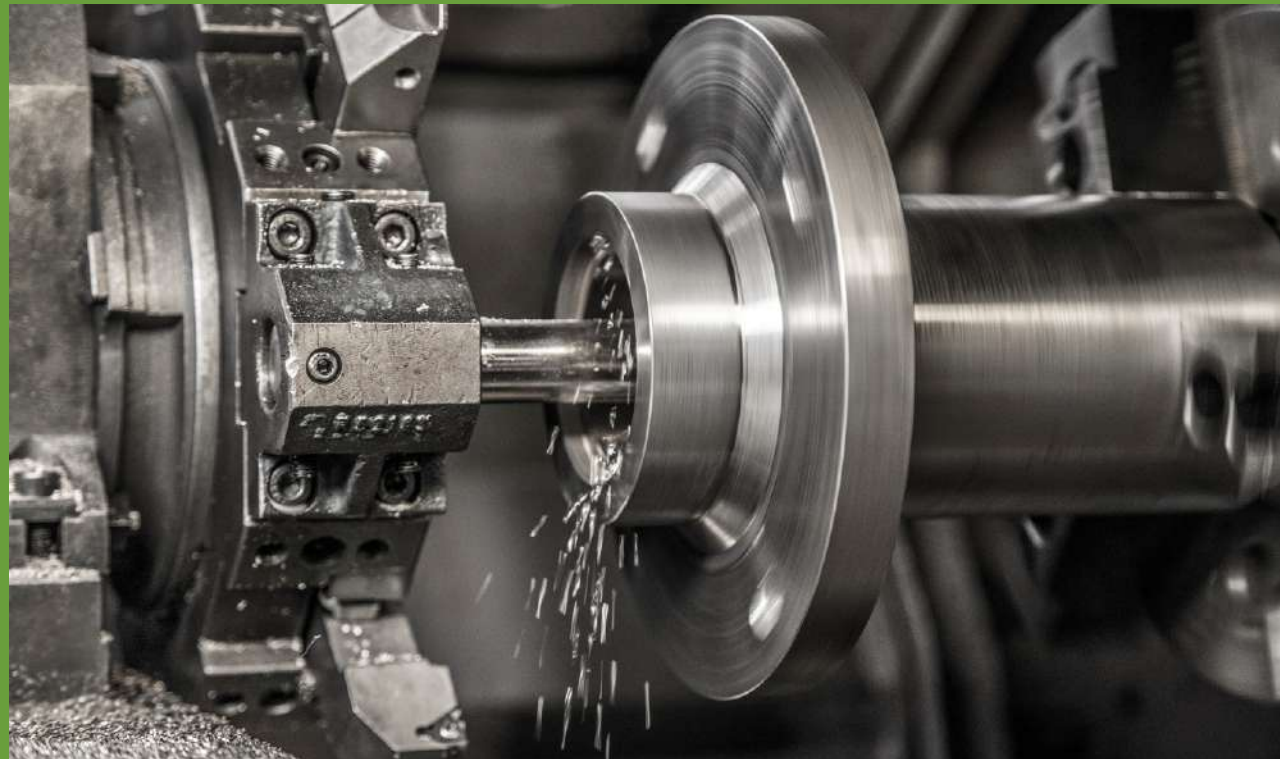
Work in Process Tracking

Track each item throughout the entire manufacturing process to ensure efficiency, accuracy, traceability and profitability.

Gain visibility into every step of the process to track time between each stage and identify bottlenecks

Machine Metrics Monitoring

Connect your machines, visualize plant layout, monitor in real-time.

Improve operator productivity, improve maintenance, improve OEE (Overall Equipment Effectiveness).

3D Simulation & Optimization

Emulate the look and feel of the real system, so it's easier to see and understand what's going on.

Build trust with your customers by demonstrating realistic simulation of order execution with dates

Warehouse Optimization

Economics based Algorithms: Picking Cost, Replenishment Cost, Space Cost.

3D Warehouse Model Built in AutoCAD

Reports and Visual Heat Maps

Production Monitoring System

Machine Monitoring

- Uptime Monitoring
- Cycle Time Monitoring
- Work Order Monitoring
- Energy Monitoring
- Andon
- SAP integration
- CNC Machines, Injection Moulding Machines, Die Casting Machines, Wire Cutting Machine, Welding Machines

Asset Monitoring

- Health / Condition Monitoring
- Preventive Maintenance
- Predictive Maintenance
- Downtime Monitoring
- Maintenance Monitoring
- SAP integration
- Motors, Pumps, Fans, Compressors, Gearbox, Valves

Real-Time Tracking

- Operator Availability
- Operator Safety
- Operator Movement
- Ambience Monitoring
- Process Time
- Andon
- SAP integration
- Staff, Work Order, Manual Operations, Environmental Parameters

Inventory Planning & Automation

Plan inventory by computing safety stocks, reordering frequencies and quantities based on inventory policies.

Automate using Barcode, RFID, IoT, Automated Robots and Drones.

Production Planning & Scheduling

Generate finite-capacity production plans and schedules constrained by staff and material availability, lead time, and resource capacity

Deliver on time, Use resources better and boost productivity.

Vehicle Load Optimization

Visualise your packing plan in 3D. Different packing modes

Optimise cargo loadings by minimising free volumes and considering unloading sequence without overloading vehicle axles.

Vehicle & Route Optimization

Select auto-generated optimal routes from one or many, depots to multiple customers considering a set of constraints

Deliver in time while minimising cost of the routes and the number of vehicles.

Multi-Modal Shipment Tracking

Enterprise-wide Supply Chain visibility across various modes of transport – Rail, Road, Ship, Air and Courier

Easily allow stakeholder, inside and outside the organisation, collaborate through a central platform

Sub Contract Job Monitoring

Eliminate non-conformance and continuously improve Operations, Quality and the Bottom Line

Validate material based on Material Test Specifications

Visual Factory

Lean tools to support your strategic goals. Improve productivity and output using clear, simplified instructions in complex environments

Build safer workplace, reduce errors and generate higher profits

Contact Us

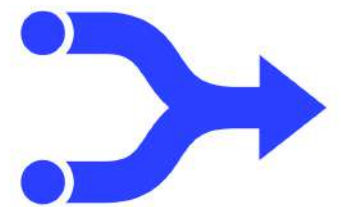We'd like to talk about the details of the software.

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