



# shopfloor

## Manufacturing Execution System

The natural extension of your industrial ERP  
Integrated. Intelligent. Real-time.



# what is **ShopFloor?**

## one MES

**ShopFloor** is a complete Manufacturing Execution System, designed to digitize and optimize shop floor operations in real time. It connects planning (ERP) to execution, ensuring complete visibility into production, quality, stock, and efficiency.



### Without MES

- Lack of real-time visibility
- Unaccounted-for downtime
- Rejections without traceability
- Planning based on estimates
- Data scattered across Excel spreadsheets
- Inability to measure actual OEE
- Delayed reaction to problems



### With MES

- Dashboard with real-time OEE
- Automatic downtime logging
- Full batch traceability
- Planning based on real data
- Centralized data
- Automatic KPIs

# Overview of the Platform

Control, analyze, and make decisions with confidence through real-time monitoring.



## Dashboard & KPIs

- Real-time KPIs
- OEE
- Interactive charts and alerts



## Shopfloor

- 2D grid and map of work-centers
- Real-time status
- Visual indicators per machine



## Production

- Touchscreen for operators



## Production Orders

Complete planning with:

- Gantt
- Kanban
- Traceability



## Inventory

- Stock movements
- Advanced warehouses with zones and positions
- Batch traceability
- Low stock alerts



## Quality

- Non-conformities
- Inspections

# Dashboard & KPIs in **Real-time**

## OEE

Availability × Performance × Quality

## 24/7

Monitoring

## Dashboards

Interactive reports

## Live Alerts

Stops, rejections, delays

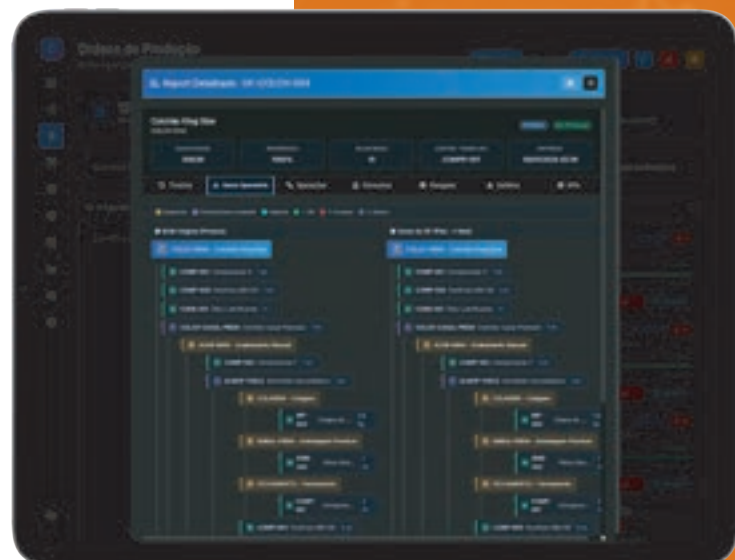
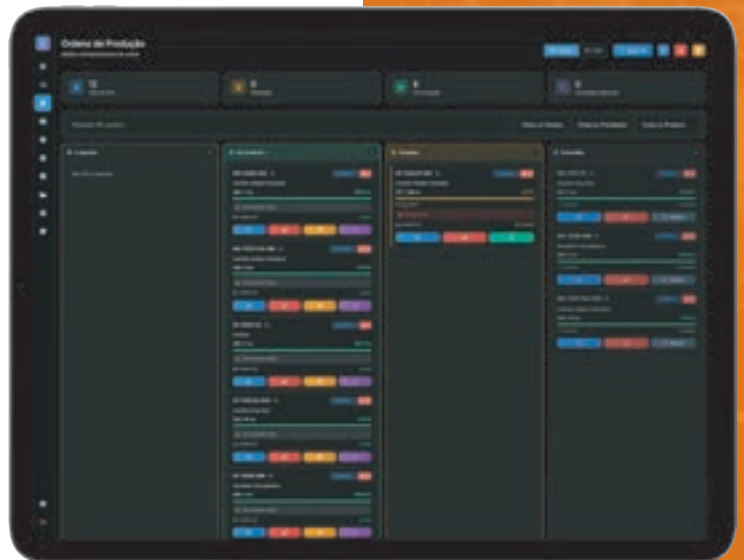
## Artificial Intelligence

Soon

Production planning via  
conversation with an agent

### Features:

- Configurable widgets
- Interactive drill-down
- Machine ranking
- Production graphs
- Event timeline



# Operator Screen

## Operator's Interface

### Content:

- Large, touch-friendly buttons
- Quick login via PIN or RFID card
- Note-taking with +1, +5, +10, +50
- Rejection log with defect type
- Stoppage log with categorization
- Stock movements (IN/OUT/Transfer)
- Contextual instructions and technical data sheets
- Kiosk mode (full screen)
- Auto-save and offline mode
- Action confirmation sounds



### Responsive

It works on tablets and smartphones on the factory floor



### Real-time

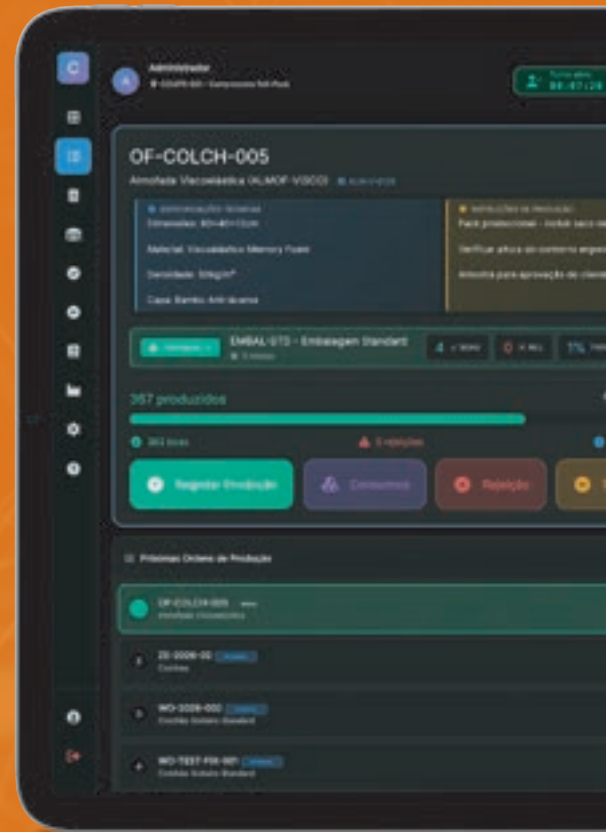
Immediate progress updates and counters



### Offline

Soon

Offline operator screen with synchronization



# Production Orders & Stock Management

the complete ecosystem  
for your business management.

## Production Orders

- Complete cycle: Planned > Completed
- Automatic product routing
- Gantt, Kanban and Calendar views
- Full traceability per operation
- Delay and insufficient stock alerts
- Automatic generation of PDF with barcode for production and operation orders
- Historical data comparing actual vs. estimated times

## Stock Management

- Movements: Entry, Exit, Transfer
- Traceability by batch and location
- Configurable hierarchical locations
- Automatic low stock alerts
- Complete movement history
- Cycle counting (counts)
- Excel and CSV export

## High Customer Customization

- Industry templates
- Flexible master data
- Setup without development
- Integrated label creation and editing





## Types of Operation

- Cutting; Sewing; Assembly; Finishing

The Customer defines the operations of their industry



## Types of Stops

- Breakdown; Setup; Lack of Material; Cleaning

Categorized as planned or unplanned



## Types of Defects

- Seams; Stains; Measurements

With severity and color codes



## Workcenters

- Machines; Workstations; Assembly lines with associated capabilities and operations



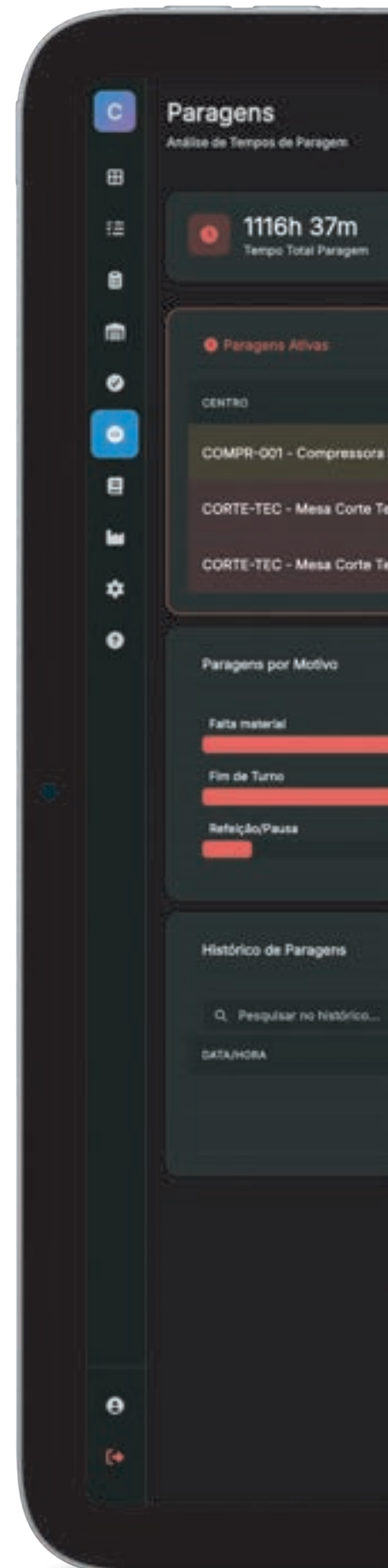
## Localizations

- Warehouse hierarchy; Freely configurable zones and shelves



## Product Routing

Each product defines its own sequence of operations and standard times



# Integrations & API

## Complete REST API

- Secure JWT Authentication
- Production Endpoints (start, record, reject)
- CRUD for Manufacturing Orders
- Stock Inquiry and Transactions
- Workcenter and Product Management
- Knowledge Base and attachments
- Webhooks for real-time events



## Connectors & Webhooks

**ERP:** SAP, Business Central, Primavera, PHC, others with the ability to communicate via web services

**BI:** Possibility of integration with Power BI

**Communication:** Email, SMS, Others



## Security

Multi-tenant, JWT, role-based access control, authentication PIN/RFID/Password

# Advantages by Profile



## Production Director

- Complete visibility of the factory floor
- OEE and KPIs calculated automatically
- Quick identification of bottlenecks
- Planning based on real data
- Proactive alerts for stoppages and delays
- Production planning via conversation with an agent



## Director of IS / IT

- REST API for ERP/BI integration
- Modern web architecture (Symfony)
- Multi-tenant and scalable
- Webhooks for automation
- Security with JWT and RBAC



## Administration

- Measurable ROI through waste reduction
- Fast implementation with templates
- No additional customization costs
- Traceability for audits
- Reports for decision-making

# Technical Requirements & Implementation



## Infrastructure - minimum requirements

- Linux or Windows Services (2GB RAM minimum)
- PHP 8.1+ with Symfony 6
- MySQL / PostgreSQL database
- Modern browser (Chrome, Edge, Firefox)
- SSL certificate (HTTPS)
- WiFi network on the shopfloor



## Typical implementation

**Weeks 1-3:** Setup, configuration and master data

**Weeks 4-5:** ERP Interaction

**Weeks 6-7:** Specific industry configurations and routing

**Weeks 8-9:** Training of operators and supervisors

**Week 10:** Assisted Go-Live with support

**Ongoing:** Technical support and upgrades



It works on desktop, tablet, and smartphone. Responsive interface.

# shopfloor



## Talk to us

Take your **sales force** to the next level. Contact us for a ShopFloor demo

## Fullscreen Porto

Rua 25 Abril, nº 1048B,  
4410-014 Serzedo VN Gaia  
+351 227 539 683  
comercial@fullscreen.pt

## Fullscreen Lisboa

Av. José Malhoa 27, 6º Andar  
1070-157, Lisboa  
+351 227 539 683  
comercial@fullscreen.pt

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**Hydra iT**

marketing@hydra.pt  
www.hydra.pt