



YORSAN TECHNOLOGIES

# BUSINESS PROPOSAL

[www.yorsantech.com](http://www.yorsantech.com)

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Purpose of the Proposal

# INTRODUCTION

01

A team of expert designers and developers building high-quality web and responsive applications.

03

Specialized in engineering solutions, app development, knowledge management, and process optimization.

02

Help clients solve critical operational challenges with innovative technology.

04

Smart Manufacturing – a solution for automating, tracking, and analyzing manufacturing processes in real-time.





# BUSINESS PROBLEM

## Manufacturing industries today face multiple challenges:

- Handling orders manually leads to both delays and mistakes.
- Job cards are generated and monitored by hand, resulting in increased rework.
- There is a lack of real-time visibility regarding customer orders and job status.
- Inefficient Monitoring of Machine Cycle Times and Operator Performance
- Limited issue identification results in high rework and rejection rates.
- Manual generation of reports for auditing and analysing
- Untracked Machine Downtime





# OUR SOLUTION

## Implementing the Smart Manufacturing Application will bring:

- **Automated Job Card Management:** Minimize errors and cut down on operational overhead.
- **Real-Time Order Visibility:** Monitor progress instantly and enhance scheduling efficiency.
- **Connected Job Cards:** Facilitate live reporting and tracking for better oversight.
- **Traceability & Quality Control:** Boost accountability and transparency throughout the process.
- **Reduced Rework & Rejections:** Quickly identify and address issues to enhance workflow.
- **Optimized Resource Utilization:** Examine cycle times and operator metrics for better efficiency.
- **Data-Driven Decision Making:** Leverage performance insights to drive improvements.





# SCOPE OF WORK



**Upload / Manage  
Master Data**



**Job Card Printing &  
Management**



**QR Code Generation**



**Tablet-based  
Employee Login**



**Production Data Capture  
& Order Confirmation**



**Live Job Card Tracking**



**Alert Notifications &  
Escalation Handling**



**OEE Reporting  
Dashboards**



# OPERATOR FUNCTIONALITY



**Access and complete  
daily checklists**

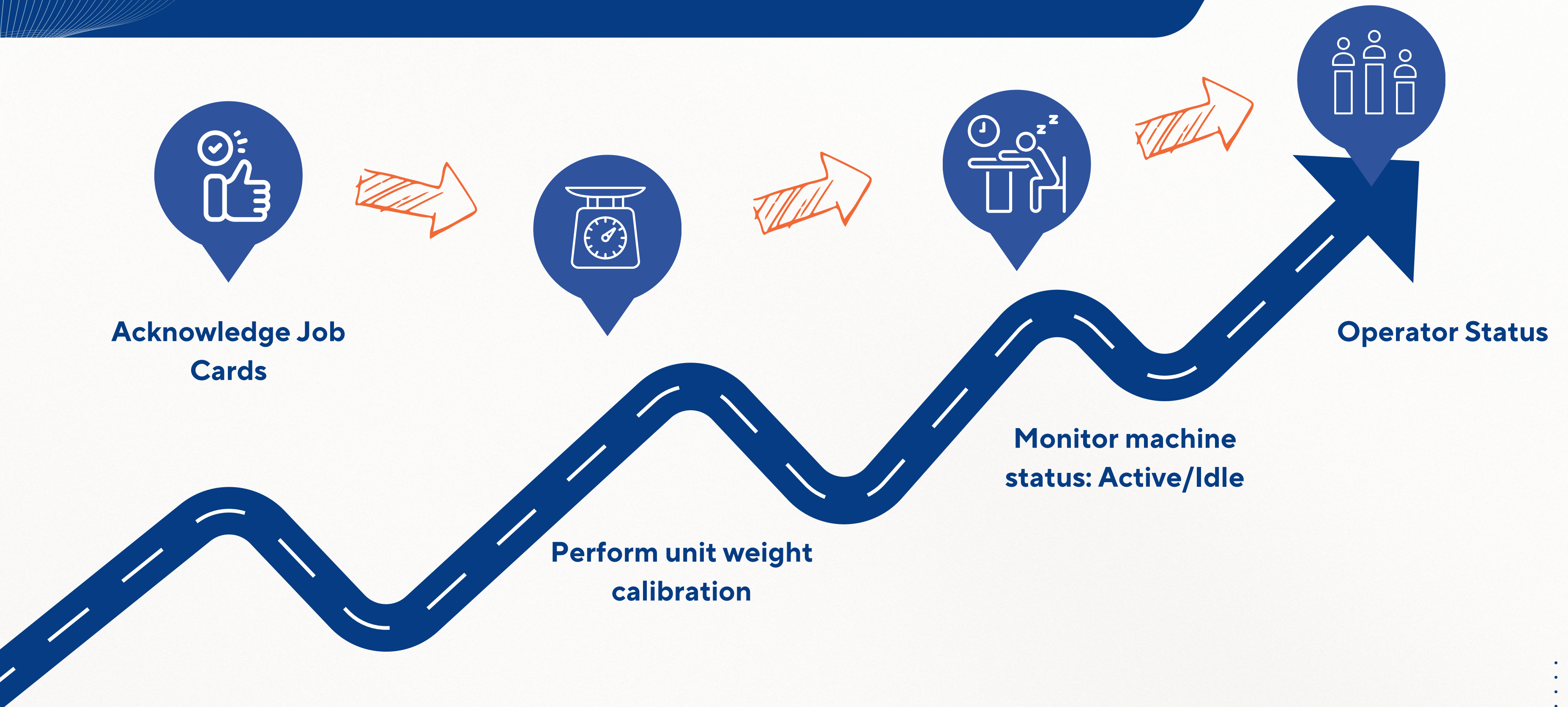
**Start/Stop Job Card  
operations**

**Confirm order  
completions**

**Close completed job  
cards**



# TEAM LEAD FUNCTIONALITY





# BUSINESS REQUIREMENTS



**Overall Equipment  
Effectiveness (OEE) Tracking**



**Productivity Analytics by employee,  
machine, process, and job card**



**Production & Idle Time Recording with  
downtime reasons**



**Compliance with 5S, Safety,  
Maintenance Protocols**



**Enhanced Job Card  
Traceability**



**Real-time Consumable  
Usage Reports**

**Active Maintenance  
Tracking**



# BUSINESS SOLUTIONS

- ▶ **Master Data Upload (Code, Process, Customer, Employee, Cycle Time)**
- ▶ **Device Data Capture using tablets**
- ▶ **Batch Order Division & Tracking by operator/process**
- ▶ **Live Efficiency Tracking per operator**
- ▶ **Real-Time Reporting Dashboards**



# Benefits to Your Organization

## FEATURE

Automated Workflows

01

Real-Time Dashboards

02

Job Card Traceability

03

Productivity Metrics

04

Machine Utilization

05

Maintenance Logs

06



## BUSINESS IMPACT

01

Reduce manual errors

02

Improve decision making

03

Ensure accountability

04

Boost overall efficiency

05

Reduce idle time

06

Prevent unexpected downtimes



# CONCLUSION

## Summary

YORSAN Technologies is committed to revolutionizing the manufacturing landscape with our Smart Manufacturing solution. By digitizing and streamlining shop floor operations, we empower manufacturers to improve efficiency, reduce waste, and gain complete visibility into their production processes.

Our solution not only enhances productivity and quality but also ensures real-time decision-making through live tracking and data analytics.







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