GSI

Customer Oriented Mindset

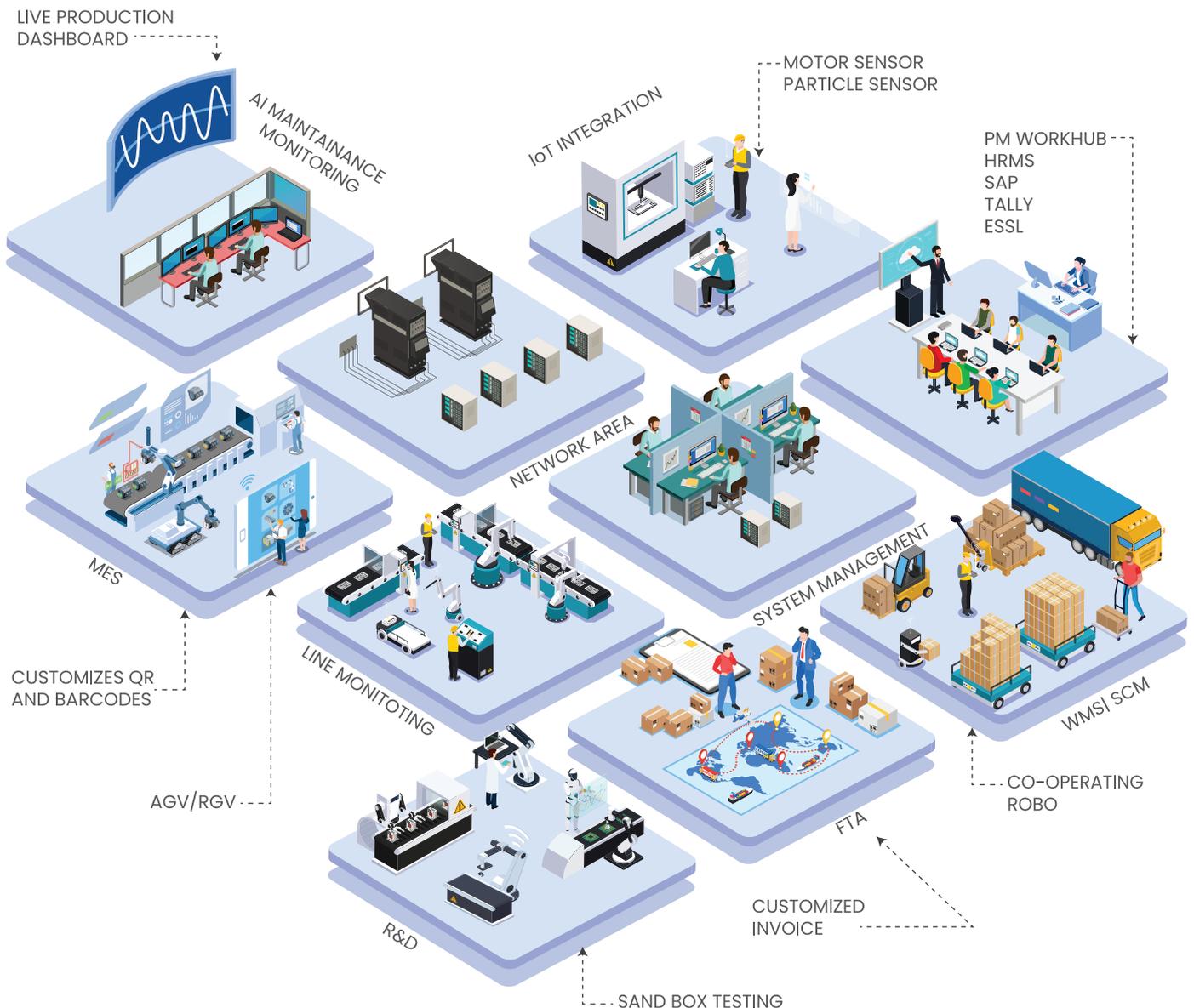Next Generation Solution For Smart Manufacturing

Ver. 2.0

GSI Deliver Advanced Digital Transformation Solution For The Manufacturing Sector.
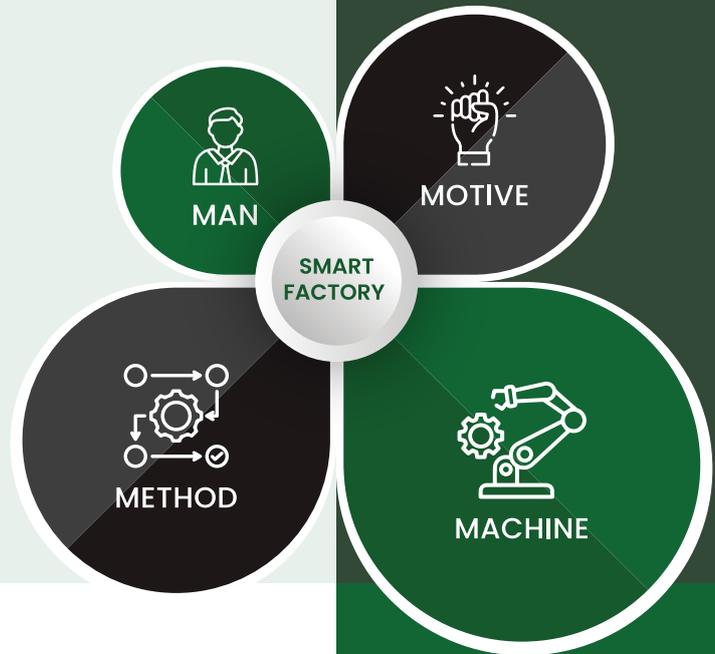
With deep expertise in MES, automation, and data integration, GSI helps factories become more intelligent, connected, and data-driven. Our Industry 4.0 frameworks enable real-time monitoring, analytics, and decision-making across every stage of production.

By combining the power of AI, IoT, and smart automation, we enhance efficiency, quality, and operational visibility on the shop floor. GSI's solutions are built to meet the unique challenges of India's manufacturing environment, offering systems that are practical, reliable, and easy to use.

"DRIVING EFFICIENCY AND DIGITAL TRANSFORMATION"

LIVE PRODUCTION DASHBOARD

AI MAINTAINANCE MONITORING

IoT INTEGRATION

MOTOR SENSOR
PARTICLE SENSOR

PM WORKHUB
HRMS
SAP
TALLY
ESSL

NETWORK AREA

MES

SYSTEM MANAGEMENT

CUSTOMIZES QR AND BARCODES

LINE MONITOTING

WMS| SCM

AGV/RGV

FTA

CO-OPERATING ROBO

R&D

CUSTOMIZED INVOICE

SAND BOX TESTING

VISION AND GOAL

MAN

MOTIVE

SMART FACTORY

METHOD

MACHINE

CUSTOMER ORIENTATION

Analyse the requirements provided by the customers in detail, while also identifying and addressing any implicit or unspoken needs.

TECHNOLOGY ORIENTATION

Share new technology trends suitable for the field with customers and lead the development of a system that considers user convenience in the spirit of frontier.
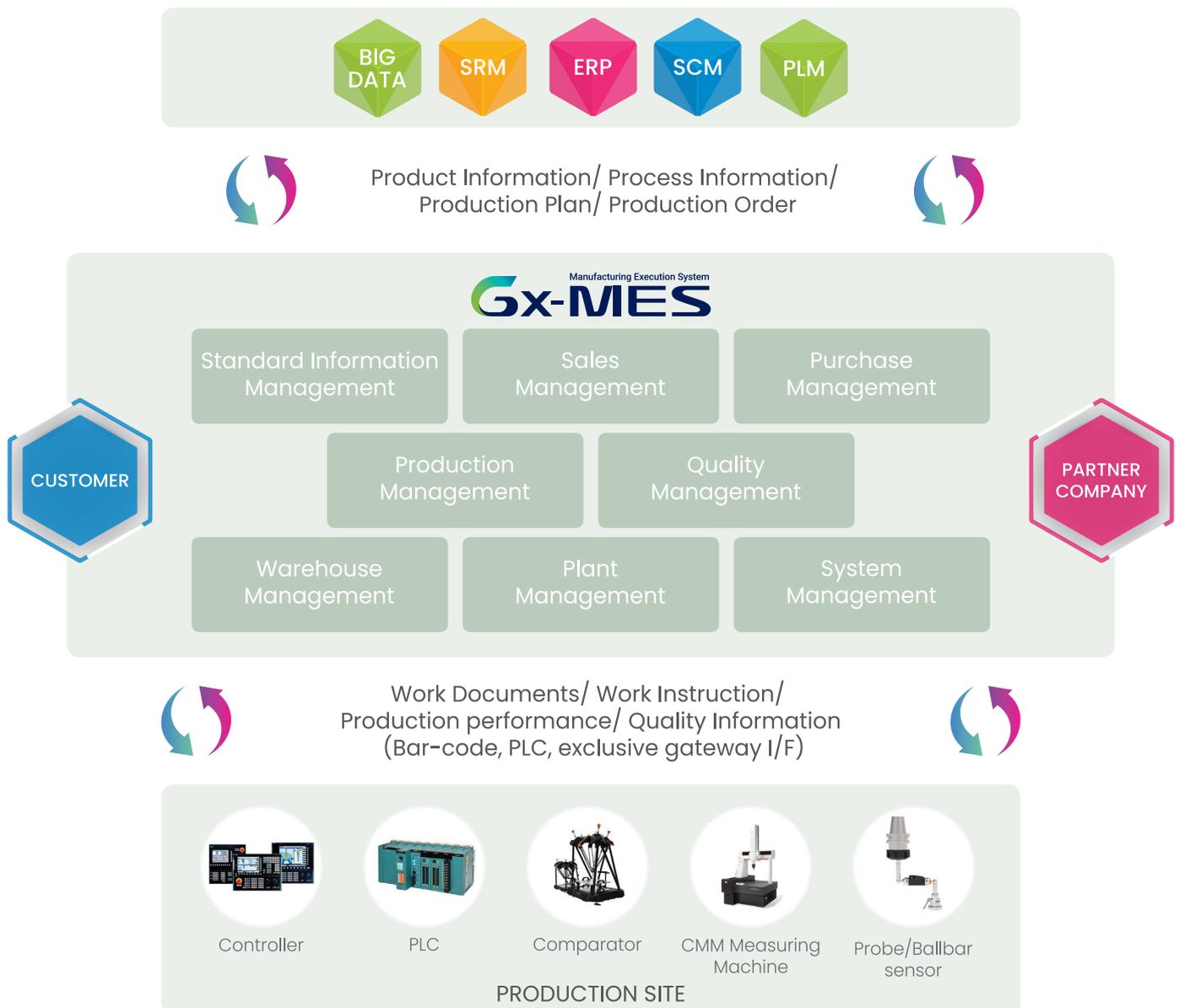
HAPPINESS ORIENTATION

Achieving individual and company goals with systematic work leadership, and pursuing the joy of life through shared growth of members, companies, and users.

Gx-MES MANUFACTURING EXECUTION SYSTEM

GSI's MES connects your shop floor and enterprise systems, providing real-time visibility and centralized data management. Built on MESA International and ISA-95 standards, it is fully customizable to match your unique business processes—helping you optimize operations, improve quality, and drive digital transformation, all from a single, unified platform.

MOM for The Smart Factory
(MOM: Manufacturing Operation Management)

BIG DATA | SRM | ERP | SCM | PLM

Product Information/ Process Information/
Production Plan/ Production Order

Manufacturing Execution System
Gx-MES

| Standard Information Management | Sales Management | Purchase Management |

| Production Management | Quality Management |

| Warehouse Management | Plant Management | System Management |

CUSTOMER

PARTNER COMPANY

Work Documents/ Work Instruction/
Production performance/ Quality Information
(Bar-code, PLC, exclusive gateway I/F)

Controller | PLC | Comparator | CMM Measuring Machine | Probe/Ballbar sensor

PRODUCTION SITE

01	02	03	04	05
Real-time production monitoring to reduce downtime.	Integrated quality management to ensure consistent standards.	End-to-end process traceability for simplified compliance & audits.	Automated inventory and resource tracking to prevent shortages.	Instant performance analytics to enable informed decision-making.

QUALITY MANAGEMENT

LOT TRACKING MANAGEMENT

PRODUCTION PLAN

BOM MANAGEMENT

PRODUCTION REGISTRATION (POP)

WORK ORDER STATUS REPORT
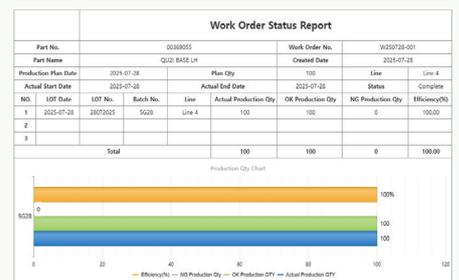
MODEL WISE MONTHLY SALES
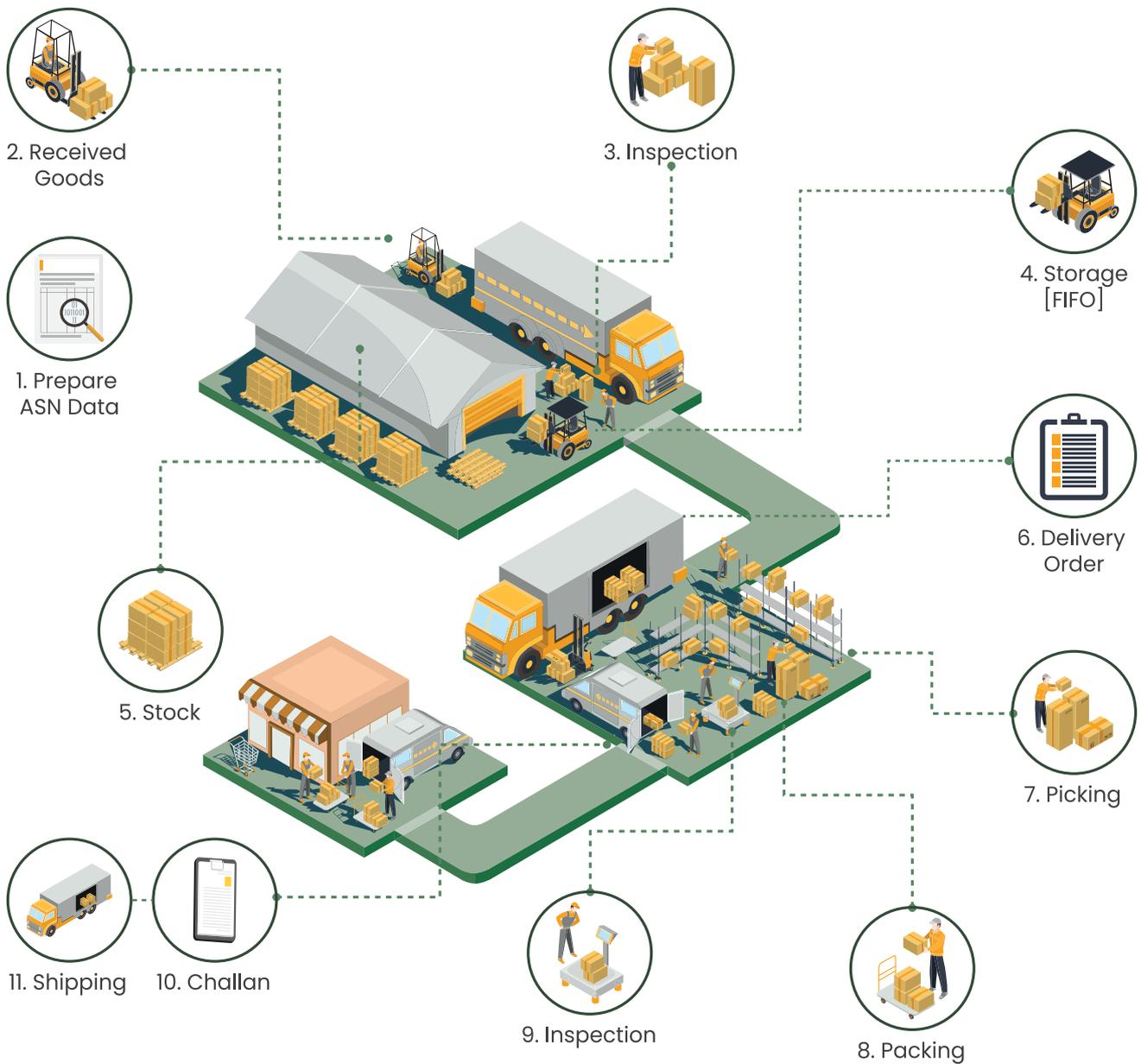

MACHINE OPERATIONAL REPORT
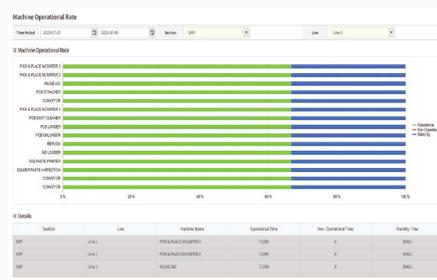
MONTHLY PPM REPORT
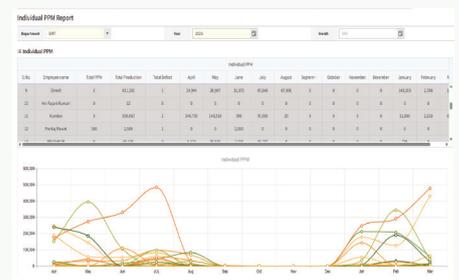
Gx-WMS WAREHOUSE MANAGEMENT SYSTEM

GSI's Warehouse Management System (WMS) provides a comprehensive solution for managing all warehouse functions—from stock order and receipt to dispatch and customer delivery. Using FIFO principles and QR scanning, it enables transparent tracking of stock quantities at every step, ensuring efficient inventory control and real-time visibility for smarter business decisions.

Warehouse Management System [WMS]

2. Received Goods

1. Prepare ASN Data

3. Inspection

4. Storage [FIFO]

6. Delivery Order

5. Stock

7. Picking

11. Shipping

10. Challan

9. Inspection

8. Packing

DISPATCH PLAN MANAGEMENT

INWARD QUALITY WITH FIFO

YEARLY QUALITY REJECTION REPORT
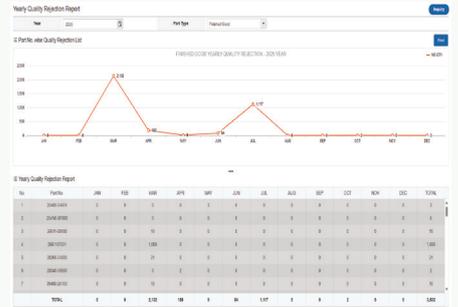
WAREHOUSE RACK MANAGEMENT

DASHBOARD WMS

BOM REVISION BASED PO

WMS PDA

- Warehouse
- Reconcile
- Scan QR
- QR Code Linkage

WAREHOUSE MENU

- Material Inward
- Material Release
- Ready to Dispatch
- FG Box Adjustment

SCAN QR

FG

82341-AY100NND01-LOT250919-002-2500-002-001   Reset

Box QR Code	82341-AY100NND01-LOT250919-002-2500-002-001		
Box Qty.	0	BOM Revision	1
Part No.	82341-AY100NND	Part Name	ROD ASSY-OIL LEV
Factory Name	Gunn Solution Indi	Inward LOT No.	LOT250919-002
Inward Date	2025-09-19	In warded By	Sarswati
Location	Dispatched	Warehouse	FG WH
Rack Name	D	Rack Slot	001
Supplier Name	SAMBO MOTORS	MLOT	2025-07-19
Invoice No.	INV3424	Korean Receiving QR	
Inward Inspection Status	OK	Inward Inspection by	Sarswati
Inward Inspection Date	2025-09-19		

Gx-HRMS
HUMAN RESOURCE MANAGEMENT SYSTEM

GSI's HRMS is a comprehensive, customizable solution for managing all aspects of human resources—from employee data, attendance, and payroll to performance management, leave tracking, and compliance. Designed to integrate seamlessly with other GSI systems, HRMS helps you optimize HR processes, enhance employee engagement, and drive organizational efficiency.

Human Resourse Management System [HRMS]

PAYROLL/ACCOUNT
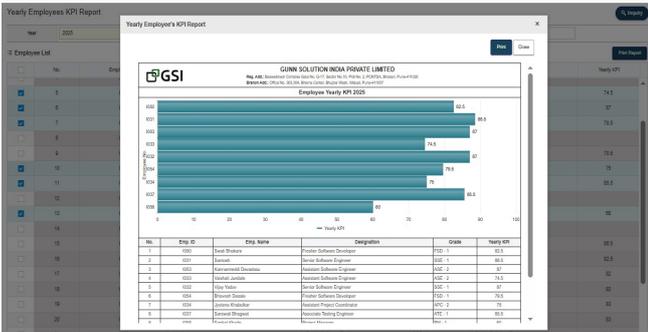Pay Structure
Attendance
Monthly Salary
Salary Status

LEAVE & DOCUMENT
Leave Type
Employee wise Leaves
Application & Approval

KEY PERFORMANCE
KPI Parameters
Hierarchy
Submit Ratings
Analyse Performance

REIMBURSEMENT
Expenditure Management
Approval Management
Payment Management

TRAINING
Training & Score Standards
Trainer & Participants
Evaluation & Scorecard

RECRUITMENT
Job Post
Resume Management
Interview Scheduling
Interview Process

REPORTS
Muster Roll Report
Attendance Report
Yearly & Monthly Report
Salary Disbursement Report
Bank Report
Leave Summary Report

WORKHUB
Project wise Boards
Gantt chart
Task wise KPI

EMPLOYEE WISE PAY STRUCTURE

ATTENDANCE APPROVAL

YEARLY KPI OF EMPLOYEES

EMPLOYEE'S KPI
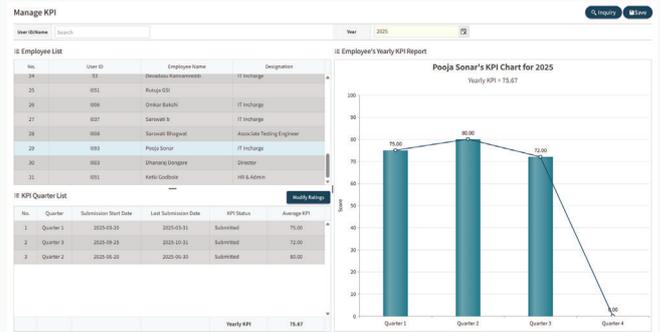
CERTIFICATE OF TRAINING

WORKHUB (PROJECT MANAGEMENT)

GANTT CHART (PROJECT MANAGEMENT)
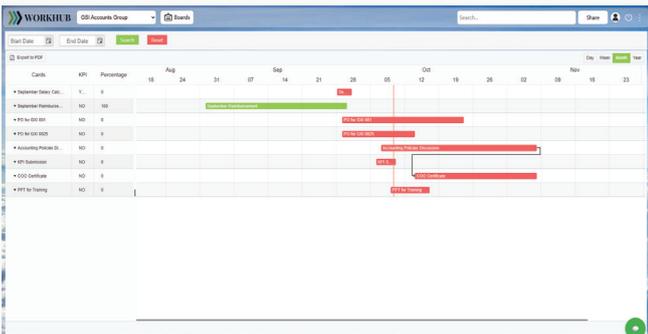
HRMS DASHBOARD
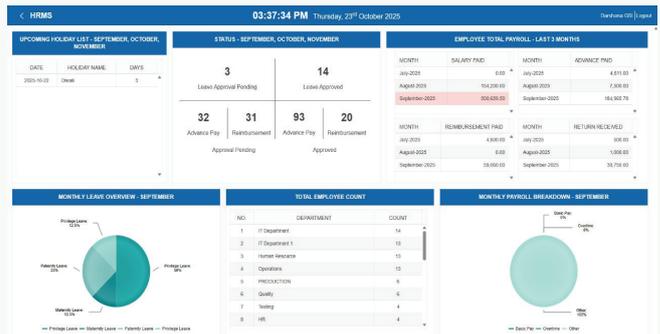
Gx-FTA
FREE
TRADE
AGREEMENT

GSI's FTA is a customized solution for verifying HSN codes, managing Certificates of Origin (COO), storing Bill of Materials (BOM), calculating parts costs, and supporting audit management. Designed to integrate seamlessly with GSI's MES and WMS, FTA ensures accurate trade compliance, streamlined processes, and centralized data management—helping you reduce errors, save time, and maintain customs regulatory compliance.
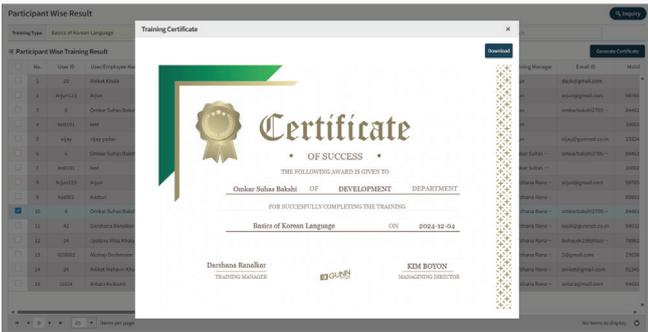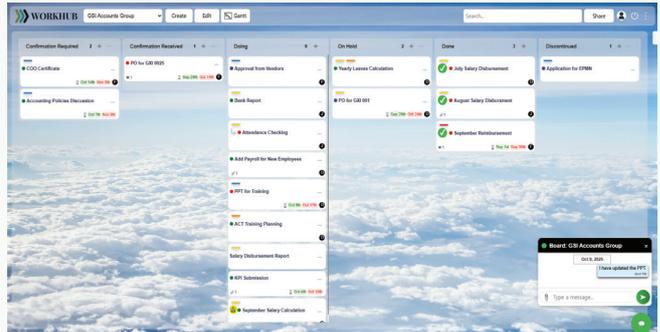

FTA INSIGHT

PHASE 1	PHASE 2	PHASE 3	PHASE 4
COUNTRY OF ORIGIN JUDGEMENT	COUNTRY OF ORIGIN JUDGEMENT	COUNTRY OF ORIGIN JUDGEMENT	COUNTRY OF ORIGIN JUDGEMENT

PHASE 1
- BOM
- Purchase
- Sales (Domestic, Export)
- Raw-Material Origin Information

PHASE 2
- HS Code Segmentation Proof
- ExW Cost Calculation Proof
- Product/Material Manual
- Purchase Proof Contract, Profile, ROC
- Purchase Process

PHASE 3
- COO Statement Submission
- Supplier Judgement Verifying
- Supplier COO Verifying DB Status

PHASE 4
- COO Certificate Request
- Product Origin Creation
- Material Origin Creation
- Supplier COO Certificate Submission

PHASE 1 flow:
- Verifying Country Of Origin ✔
- Inquiry Of Status Of Judgement
- Monthly Judgement History Inquiry
- COO Certificate Issuing ✔

PHASE 2 flow:
- Registration Status Management ✔
- Certificate Of COO
- Statement Of COO (Auto Creation)

PHASE 3 flow:
- Regular Monitoring ✔
- Customer/Supplier

PHASE 4 flow:
- Changing Point Check ✔
- Re-submission
- Issuing History Book
- Return/ Off-shore Management

COST CALCULATION MANAGEMENT

AUDIT MANAGEMENT

INVOICE MANAGEMENT

SIMS MANAGEMENT

HSN CODE MANAGEMENT

HSN CODE LINKAGE

Gx-QMS QUALITY MANAGEMENT SYSTEM

GSI's QMS ensures product and process quality at every stage, focusing on Drawing Management, 4M Change Management, Quality Standards, Quality Control, Review Management, and P-FMEA Management. It provides real-time monitoring, document control, and continuous improvement to maintain the highest standards of performance and compliance.

01 — REVIEW PROCESS
Define process/operation
Use flow diagrams / control plans

02 — IDENTIFY POTENTIAL FAILURES
List possible failures for each step
Consider human, machine, material, environment

03 — DETERMINE EFFECTS
What happens if failure occurs?
Impact on product, next process, customer

04 — SEVERITY (S) RATING
Rate seriousness (1–10)
Higher = more severe

05 — CAUSES & OCCURRENCE (O) RATING
List possible causes
Rate likelihood (1–10)

06 — CURRENT CTRs & DETECTION (D) RATING
List existing controls
Rate ability to detect/prevent (1–10)

07 — RISK PRIORITY NUMBER (RPN)
Formula: RPN = S × O × D
Higher RPN = higher priority

08 — ACTION PLANS
Corrective / preventive actions
Assign responsibility & deadlines

09 — REVIEW & UPDATE
Reassess S, O, D after actions
Update FMEA for improvements or new risks

Our IoT Integration solutions connect devices, data, and applications to create a unified, intelligent ecosystem. By enabling real-time data updates, automated processes, and seamless interoperability, we help businesses optimize operations, reduce costs, and enhance decision-making. This integration delivers actionable insights, improves efficiency, and ensures a smarter, more responsive customer experience across all touchpoints.
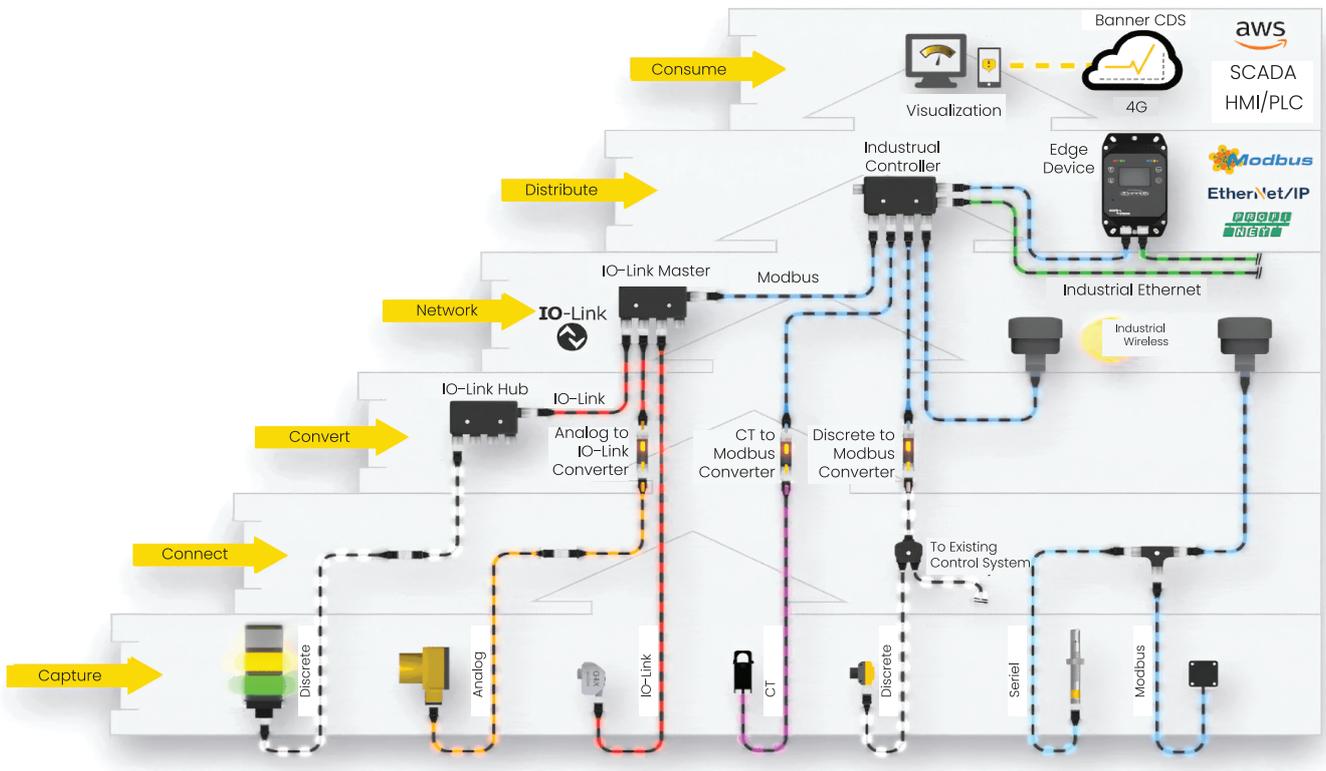
SUPPORTED DEVICES & MACHINE BRANDS

| FANUC | SIEMENS | HEIDENHAIN | OKUMA | MAZAK |

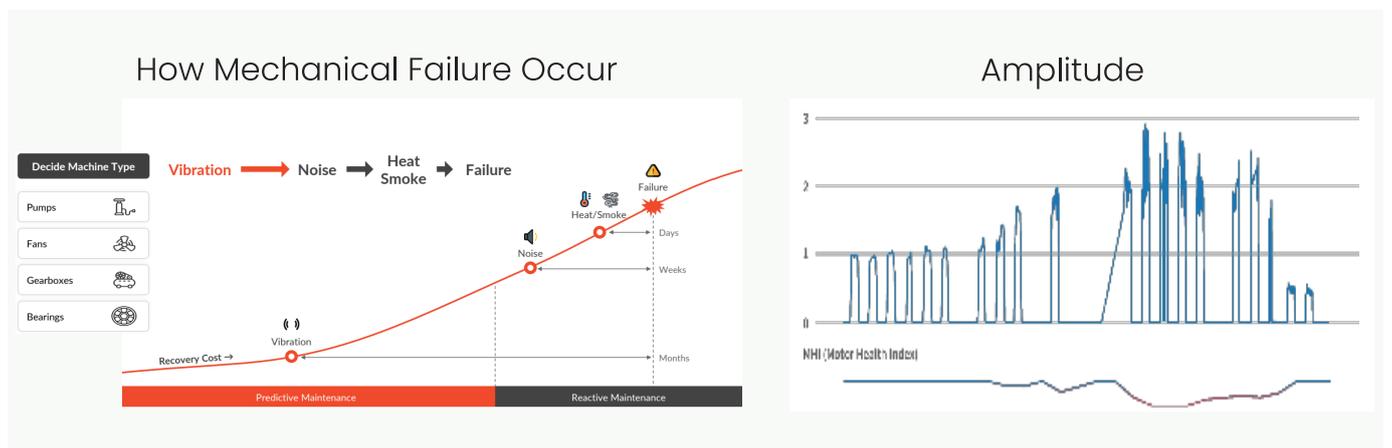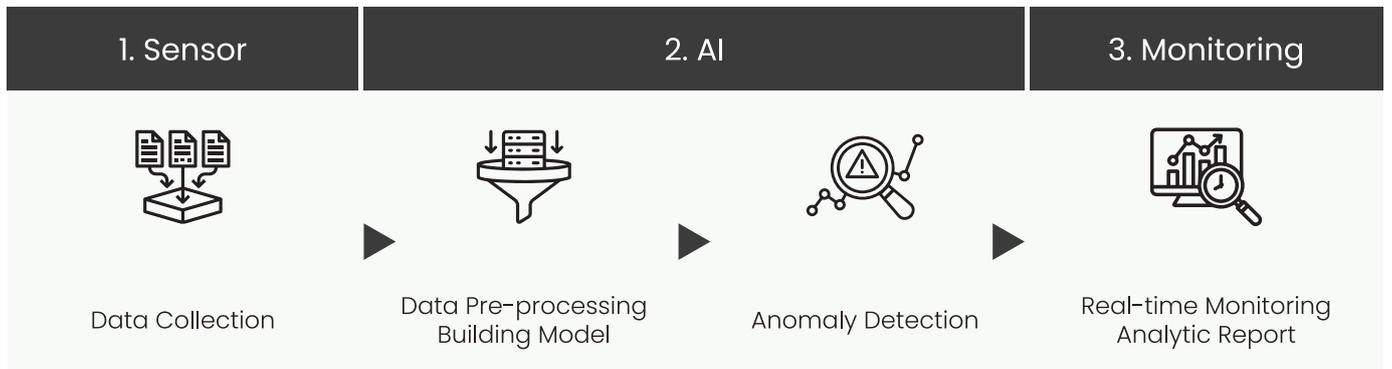| BROTHER | HAAS | MEASUREMENT/ DIAGNOSTIC SENSOR | SENSOR TYPE | CUSTOMIZED MACHINE TOOLS |

AI
SOLUTION

MotorSense is an intelligent motor monitoring solution that simplifies predictive maintenance. It converts vibration data into 29 key features to generate a Vibration Evaluation Index (VEI) and Motor Health Index (MHI), offering an easy-to-understand overview of motor condition. With quick setup using either wired or wireless configuration, the system operates without interrupting performance. By analyzing real-time field data against the motor's initial reference data, MotorSense accurately predicts potential failures and their likelihood. It also provides instant alerts via email and text, enabling continuous remote monitoring from any device.
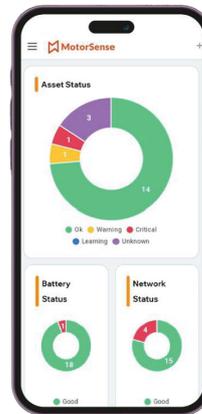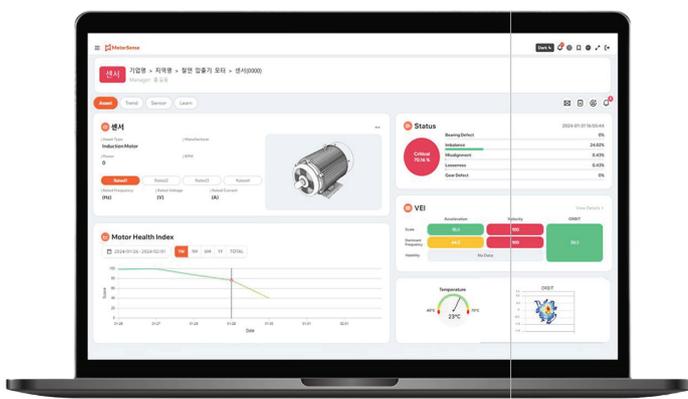
⚠ **Motor Failure Risk**

A Plant>Vacuum pump#1 is epected to fail about 87%. Failure type : Misalignment. Need to Maintain to Motor.

https://motorsense.io/asset/vaccum-pump/328

1. Sensor	2. AI		3. Monitoring
Data Collection	Data Pre-processing Building Model	Anomaly Detection	Real-time Monitoring Analytic Report

How Mechanical Failure Occur

Amplitude

"

The Gx-MES systems from M/S Gunn Solution India Pvt Ltd are commendable. These systems will unlock new levels of efficiency and collaboration to achieve manufacturing excellence.

Today all state-of-art manufacturing is a network of global partnerships. It has high complexities caused by constant pressures of speed, cost, changing customer needs and ever-present geo-political tensions.

PLM, ERP and CRM have advanced substantially and they help streamline business processes. And if MES is added then it can seamlessly connect and optimize shop floor operations.

MES has wonderfully addressed the challenge of integrating with legacy IT systems of the organization for establishing appropriate shop floor connect. Once installed MES excels in providing real time data for smart, informed decision making, which in turn enables the complete value chain to maximize profits.
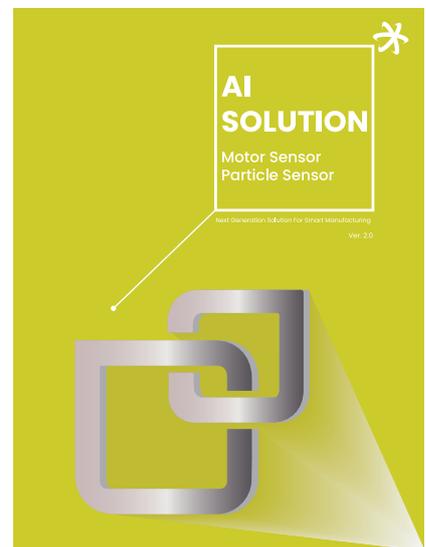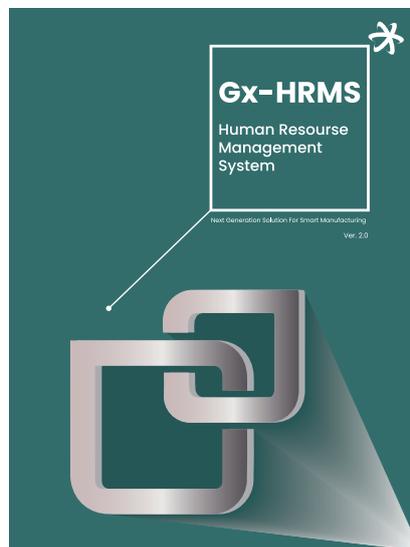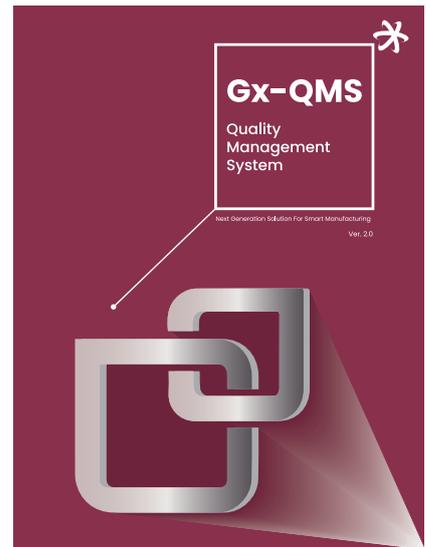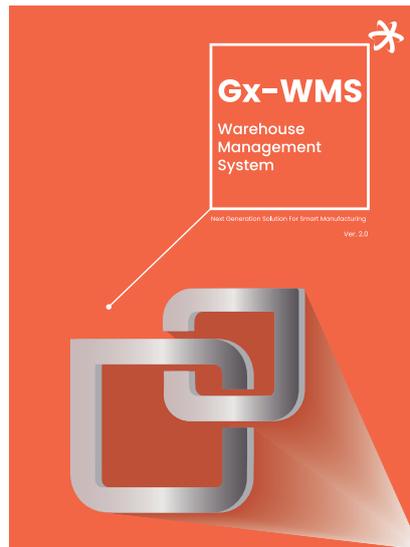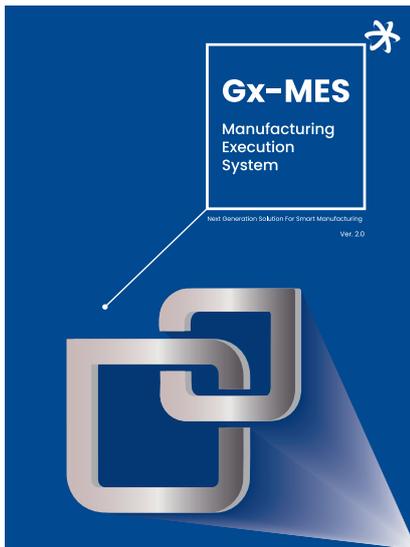
Further M/S Gunn Solution India's Gx-MES is agile and customizable and can respond continuously to evolving customer needs which are typical in manufacturing operations. This makes continuous improvement and seamless integration very easy.

It would be a mistake to ignore M/S Gunn Solution India's Gx-MES when selecting a manufacturing system today. Founded on Korean expertise and Indian ingenuity, M/S Gunn Solution India Pvt Ltd. can undoubtedly deliver reliable B2B support and innovative solutions.

"

MR. RAVI SHANKAR
Adviser - Engineering & Automotive

OUR SERVICES

Gx-MES
Manufacturing
Execution
System

Next Generation Solution For Smart Manufacturing
Ver. 2.0

Gx-WMS
Warehouse
Management
System

Next Generation Solution For Smart Manufacturing
Ver. 2.0

Gx-QMS
Quality
Management
System

Next Generation Solution For Smart Manufacturing
Ver. 2.0

Gx-FTA
Free
Trade
Agreement

Next Generation Solution For Smart Manufacturing
Ver. 2.0

Gx-HRMS
Human Resourse
Management
System

Next Generation Solution For Smart Manufacturing
Ver. 2.0

**AI
SOLUTION**
Motor Sensor
Particle Sensor

Next Generation Solution For Smart Manufacturing
Ver. 2.0

CUSTOMIZED | CONNECTED | COMPETITIVE

Ver. 2.0

GSI

Customer Oriented Mindset
www.gunnsol.co.in