

COMPANY PROFILE



MASARU
SOLUSI INDONESIA

Smart Industrial Technology for Measurable Efficiency & Performance



More info
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About Us

PT. Masaru Solusi Indonesia is a smart technology platform provider and system integrator specializing in monitoring, automation, and data integration across industrial, commercial, infrastructure, and public sectors.

We deliver end-to-end solutions that transform operations into real-time, data-driven environments enabling higher efficiency, optimized resource utilization, and faster decision-making.

Our capabilities cover industrial instrumentation, automation systems (PLC & control), IoT and data acquisition, system integration, and advanced analytics platforms.

Through this integrated approach, we help industries reduce inefficiencies, improve system reliability, and achieve measurable performance improvements.



WHY MASARU?

More Than a System Integrator, Your Industrial Transformation Partner

MASARU goes beyond system implementation by building a strong and sustainable digital foundation to support long-term operational excellence and growth.

We deliver end-to-end solutions, from field instrumentation to full digital integration, eliminating the complexity of managing multiple vendors.

With proven industrial implementations, we focus on delivering measurable results and real operational impact for our clients.

Every solution is designed with a clear ROI approach, ensuring financial value alongside technical performance.

Our scalable and modular systems allow you to start from your current needs and expand seamlessly as your operations grow.

Supported by a strong in-house engineering and execution team, we ensure reliable delivery from design to commissioning.

MASARU a partner you can rely on for both precise execution and long-term performance.



Vision & Mission

VISION

To become a leading technology platform provider delivering integrated, scalable, and intelligent systems that drive operational excellence across industries and sectors.

MISSION

- Deliver integrated monitoring, automation, and data solutions
- Enable data-driven decision making across operations
- Improve efficiency, reliability, and resource utilization
- Provide scalable and future ready system architecture
- Build long-term partnerships through value driven solutions

5 CORE CAPABILITIES

INTEGRATED INDUSTRIAL SOLUTIONS ACROSS ALL LAYERS

INDUSTRIAL HARDWARE & INSTRUMENTATION

Reliable Field Foundation for Accurate and Stable Operations

We provide industrial-grade hardware and instrumentation to ensure accurate data and stable system performance.

Building a strong foundation for efficient and reliable operations.

INDUSTRIAL MONITORING SYSTEM

real-time Visibility for Better Control and Faster Decisions

We deliver centralized monitoring systems to provide real-time visibility across operations.

Enabling better control and more efficient decision-making.

OPTIMIZATION & AUTOMATION

Enhancing Efficiency Through Intelligent System Optimization

We implement automation and optimization strategies to improve system performance and reduce inefficiencies.

Supporting more efficient and reliable operations.

DATA & INTEGRATION PLATFORM

Seamless Data Integration for Unified Operational Insight

We integrate data across systems into a unified platform to ensure consistency and accessibility.

Supporting better visibility and informed decision-making.

MANUFACTURING EXECUTION SYSTEM (MES)

Integrated Manufacturing Control for Consistent Operations

We deliver MES solutions that connect shop-floor activities with management systems in real-time.

Ensuring better control, consistency, and operational performance.

INDUSTRIAL DIGITAL TRANSFORMATION ROADMAP

A scalable roadmap for step by step industrial transformation

Level 1 Industrial Foundation

- PLC & Control Panel
- Sensors & Instrumentation
- Electrical & Wiring System
- Compressor & Utility Equipment

Level 2 Monitoring Layer

- Energy Management System (EMS)
- Production Monitoring System (PMS)
- Andon System
- Asset Monitoring

Level 3 Optimization Layer

- Energy Optimization
- Compressor Sequencing
- Cooling Tower Automation
- Fault Recording System

Level 4 Integration Layer

- ERP Integration (SAP, etc.)
- Data Integration & ETL
- Centralized Industrial Dashboard
- Data Warehouse

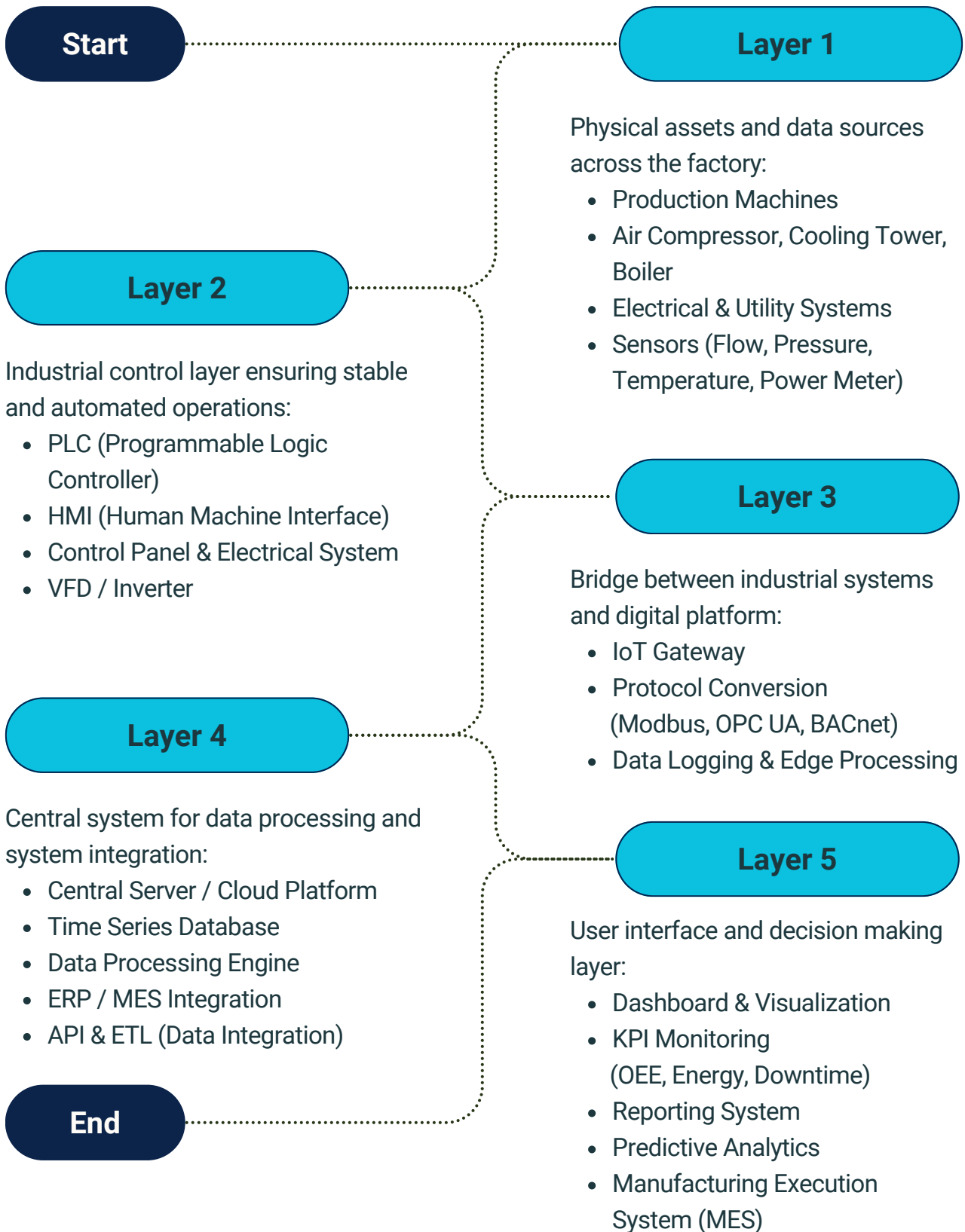
Level 5 Full MES Platform

- Production & Scheduling Optimization
- Manufacturing Performance Monitoring
- Digital Operations Execution
- Integrated Quality & Maintenance Management

Clients can start from any level and scale progressively based on budget and operational priorities.

TECHNOLOGY ARCHITECTURE

A structured architecture ensuring seamless data flow from field devices to management-level decision systems.



WHY MES IS THE FUTURE OF SMART FACTORY

1

From Monitoring to Full Manufacturing Intelligence

Most industrial facilities today are still operating in fragmented systems:

- Monitoring systems provide visibility
- Automation improves efficiency
- Integration connects data

However, these systems often operate independently and lack full coordination.

2

The Next Evolution: MES (Manufacturing Execution System)

MES transforms disconnected systems into a fully integrated and intelligent manufacturing operation.

It connects:

- Shop floor operations
- Production planning
- Quality control
- Maintenance activities
- Management decision making

3

What MES Enables

- real-time production control
- end-to-end operational visibility
- Standardized digital processes
- Faster and data-driven decision making
- Improved quality and production consistency

4

MASARU Approach

MASARU provides a structured pathway toward MES implementation:

- Start from monitoring systems
- Expand into optimization and automation
- Integrate across systems
- Evolve into full MES platform

MES is not just a system, it is the foundation of a fully connected and intelligent factory. Without integration, operational inefficiencies remain hidden and continue to impact cost and performance.

PROVEN INDUSTRIAL IMPLEMENTATION

REAL RESULTS, MEASURABLE IMPACT

MASARU has delivered industrial solutions across multiple sectors, focusing on efficiency improvement, cost reduction, and enhanced operational visibility. Our implementations deliver measurable results, with typical ROI achieved within 12–36 months.

1. AIR COMPRESSED OPTIMIZATION

Challenge:

- High energy consumption and undetected air leakage.

Solution:

- Compressor monitoring system
- Leak detection & analysis
- Automatic compressor sequencing

Results:

- Energy saving: up to 15–30%
- Reduced air leakage losses
- ROI achieved within 6–36 months

2. COOLING TOWER OPTIMIZATION

Challenge:

- Unstable temperature control and inefficient energy usage.

Solution:

- Automation system
- Temperature & flow monitoring
- Intelligent control strategy

Results:

- Energy efficiency improvement: up to 20%
- Stable temperature control
- Payback period: ±36 months

3. PRODUCTION MONITORING

Challenge:

Limited visibility of production performance and downtime.

Solution:

- Production Monitoring System
- Andon system
- Downtime tracking

Results:

- **real-time** production visibility
- Downtime reduction: up to 20–40%
- Faster maintenance response

4. ENERGY MONITORING

Challenge:

Uncontrolled consumption and hidden system losses.

Solution:

- Utility monitoring system
- Consumption tracking & alert
- Loss detection analysis

Results:

- real-time usage visibility
- Early leak detection
- Cost reduction: up to 10–25%



Industrial Implementation Capability

Ensuring reliable execution from system design to commissioning



Industrial Implementation Capability

MASARU provides full industrial implementation capability to ensure that every system is executed reliably, efficiently, and aligned with operational requirements.

We combine engineering expertise with structured project execution to deliver high performance industrial systems.

Our Scope Includes:

- Electrical Wiring & Installation
- Control Panel Fabrication
- PLC Programming & System Integration
- Mechanical & Utility Installation
- System Commissioning & Testing

Our Approach:

- Engineering driven system design
- Structured project management
- Safety and compliance focused
- Reliable and long-term system performance

We ensuring every project is delivered on time, within scope, and aligned with operational requirements.

From Concept to Continuous Support

Delivering Reliable Industrial Solutions From Installation to Intelligent Systems

1

Consultation & Assessment

We identify your operational needs early to ensure the right solution and prevent performance loss.

Enabling faster decisions and avoiding costly issues.

2

Solution Planning & Design

We design targeted and scalable solutions focused on efficiency, reliability, and measurable impact.

Every solution is built to deliver results not just functionality.

3

Proposal & Project Agreement

We present a clear and structured proposal outlining scope, timeline, and expected outcomes. Enabling fast, confident decisions to move your project forward without delay.

4

Engineering & Preparation

We prepare all technical aspects with precision to eliminate execution risks and delays. Ensuring your project is ready for immediate and smooth implementation.

5

Implementation & System Integration

We execute installation and integration efficiently to minimize downtime and operational disruption delivering a fully connected system that performs from day one.

6

Testing, Handover & Continuous Support

We ensure your system runs optimally through rigorous testing and structured handover with continuous support, your operations stay efficient, stable, and future ready.

Authorized Partners & Solutions Providers

We collaborate with globally recognized technology partners to ensure high-quality and reliable solutions.



SUTO I TECH

As an authorized dealer of SUTO I TECH, providing advanced compressed air and gas measurement solutions engineered for accurate monitoring and optimized system performance.

MIURA BOILER

As an authorized agent of MIURA Boiler, we deliver high efficiency once through steam boiler solutions designed to enhance energy performance, operational reliability, and system efficiency.

FS CURTIS COMPRESSOR

as an authorized agent of FS Cusrtis Compressor, supplying energy efficient industrial air compressor solutions that support reliable and cost effective operations.

AE FILTER ENGINEERING

As an authorized partner of AE Filter Engineering, providing oxygen (O₂) and nitrogen (N₂) generator solutions designed to ensure reliable gas supply, operational efficiency, and sustainable industrial performance.

Our Customer Coverage

Serving diverse industries with tailored solutions based on specific operational needs



Industrial & Process Industries

A photograph of a large industrial facility, possibly a refinery or chemical plant, with several tall distillation columns and a large building. A plume of white smoke or steam rises from one of the towers against a dark, cloudy sky.



Energy & Utilities

A landscape photograph featuring several wind turbines in the foreground and middle ground. In the background, there are mountains and a large solar farm with rows of photovoltaic panels. The sky is a mix of blue and orange, suggesting a sunrise or sunset.



Commercial & Building Facilities

A photograph of a modern commercial building complex at dusk. The buildings have large glass windows and are illuminated from within. There are signs for 'MALL' and 'WATERHOUSE' visible. The sky is a deep blue.



Infrastructure & Technology

A close-up photograph of a person's hands in a grey suit jacket operating a server rack. The person is holding a tablet that displays a list of server configurations or network settings. The server rack has various cables and components visible.

Our Partners



Let's Optimize Your Operations Today

Improve efficiency, reduce costs, and unlock measurable performance with MASARU.



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