METRODATA

aws

Transform Your Factory Operation
with AWS-METRODATA Smart Factory Solution

SYNNEX METRODATA — PT. SYNNEX METRODATA INDONESIA

soltius

MY1 — PT. My Icon Technology

SINERGI DIGITAL

FMi — PT FPT METRODATA INDONESIA

PACKET SYSTEMS

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DIGITAL SOLUTION PROVIDER AND TECHNOLOGY INNOVATOR

WHAT IS SMART FACTORY ?

Smart Factory is a comprehensive system incorporates advanced technologies like IoT, AI, machine learning, and automation to transform traditional manufacturing processes. Built on AWS technology, Smart Factory Solutions leverage tools like **Amazon SageMaker for machine learning, AWS IoT Core & Greengrass for real-time device connectivity, Amazon S3 for data lakes, and QuickSight & Grafana for insights and dashboards.**

These technologies help manufacturers gain real-time data, make informed decisions, and enhance operational efficiency, ultimately driving the transformation towards smarter and more agile manufacturing environment

□ SOLUTION :

The AWS Smart Factory Solution helps you with :

1 **Smart Visual Inspection**
AI detects defects instantly using cameras and machine learning models, ensuring high-quality products.

2 **Predictive Maintenance**
Predict potential tool issues before they result in downtime, minimizing disruptions to production

3 **Real-Time Quality Monitoring**
Enables the monitoring of key parameters such as pressure, temperature, and vibration to ensure optimal manufacturing conditions.

4 **Workflow Automation**
Streamlines manual tasks and improves response speed, enhancing overall operational efficiency.

5 **Data Analytics Dashboard**
Provides real-time insights through platforms like Grafana and QuickSight to help manufacturers make informed decisions.

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OUR SUCCESS STORY

Smart Factory Innovation & Artificial Intelligence in Improving Production Performance in the Automotive Industry
PT Metrodata Electronics, Tbk has gained the trust of one of the largest automotive industries in Indonesia to implement a smart factory solution using ML Ops Foundation technology & One pilot on Amazon Web Services.

Since 2023, the company has been running a digital transformation using AWS technology for Asset Monitoring, Quality Inspection, and Predictive Maintenance through IoT (Internet of Things) services. This initiative supports KPIs in production, productivity, and quality to achieve sustainable digital transformation.

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HOW IT WORKS :

- Deploy Sensors & Cameras on selected production lines
- Collect Data & Train ML Models via Amazon SageMaker
- Monitor in Real Time via dashboard
- Receive Automated Alerts & Insights
- Scale Up Easily as your factory evolves

THE SOLUTION PACKAGES

Starter

Starting from

$15.000 /annum

- Ideal for Pilot/ Test line
- **Features**
  - Visual inspection
  - Alert dashboard

Standard

Starting from

$20.000 /annum

- Ideal for Mid-sized factories
- **Features**
  - Inspection
  - Predictive maintenance workflow

Enterprise

Starting from

$25.000 /annum

- Ideal for Multi-line or multi-site factories
- **Features**
  - Full factory automation
  - ERP integration