Machine365.Ai

Your machine, our priority 365 days

Integrated machinery monitoring solution for implementing ESG

ESG 🪶

Carbon emission of the product

Electricity monitoring

Energy consumption by a product

Electricity cost down 💡

Analysis of electricity

Cost estimation

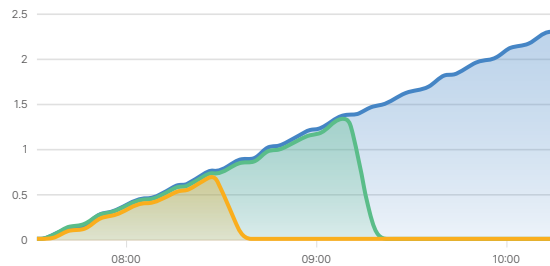Data-Driven decision making

Alarm 🔔

Machine abnormal

Producing status

Abnormal analysis by AI
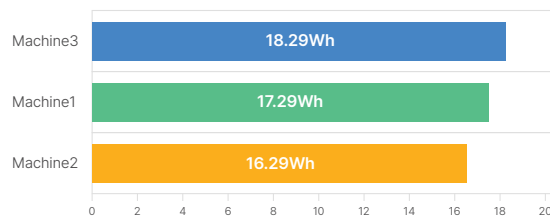
Electricity monitoring

Power consumption

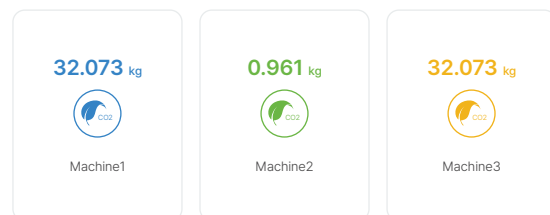Monitor real time power consumption for each machine and check the monthly cumulative power usage.

Electricity monitoring

Power analysis check the energy consumption per product, compare it with other machine.

Machine3	18.29Wh
Machine1	17.29Wh
Machine2	16.29Wh

Carbon dioxide emissions

Supporting climate change efforts, the system automatically calculates and provides data to measure and reduce carbon emissions.

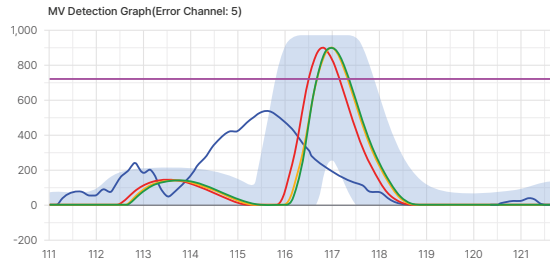| 32.073 kg	0.961 kg	32.073 kg
Machine1	Machine2	Machine3

Quality of electricity

It monitors real-time voltage, current, reactive power, and power factor, detecting and notifying of any abnormal patterns.
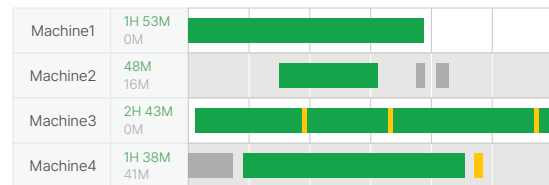
Machine monitoring and anomaly detection

Anomaly detection (Quality monitoring)

· Error detection and the reason.

· Detected time.

· Trend of forming force.

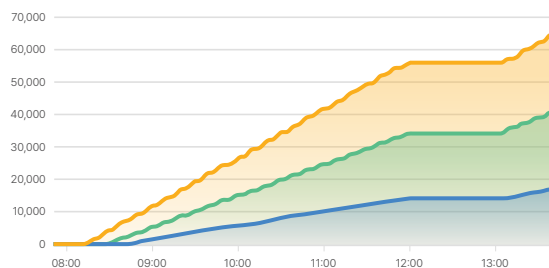MV Detection Graph(Error Channel: 5)

Operational status monitoring

· Displays operating and downtime status for each machine.

· Tracks operating time and downtime.

· If MV* is used, the point at which a defect is detected can also be identified.

Machine1	1H 53M 0M
Machine2	48M 16M
Machine3	2H 43M 0M
Machine4	1H 38M 41M

*MV (MachineView) is 3View's Smart Process Monitoring System.

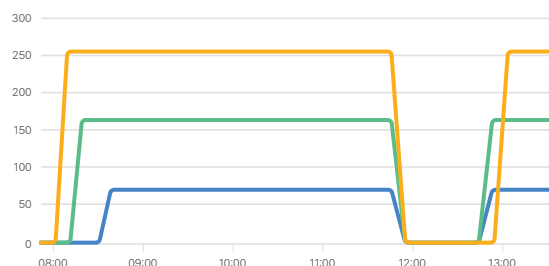## Production quantity monitoring

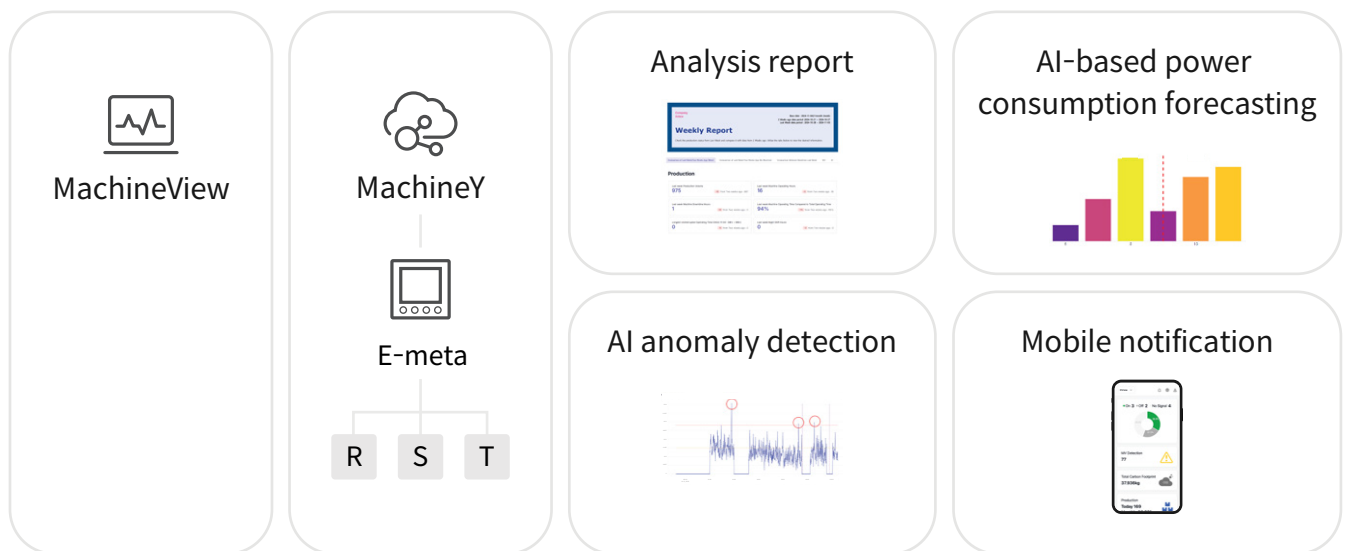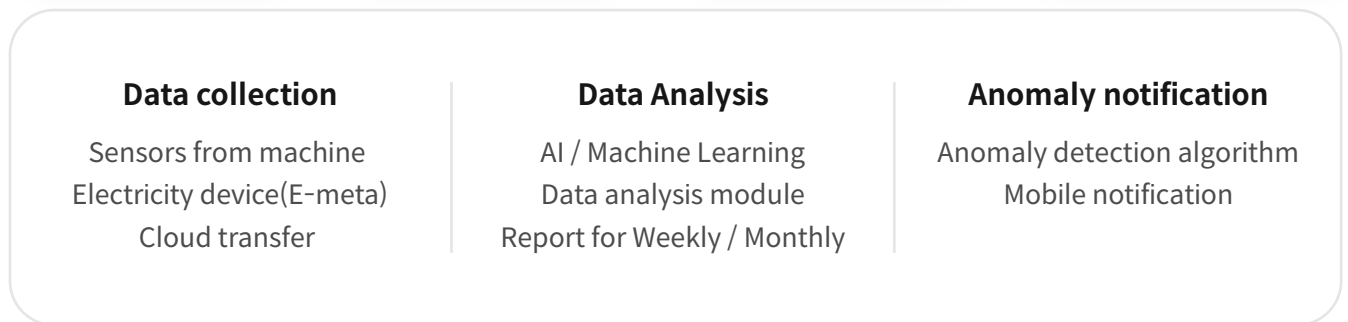Displays real-time and cumulative production quantities for each machine.
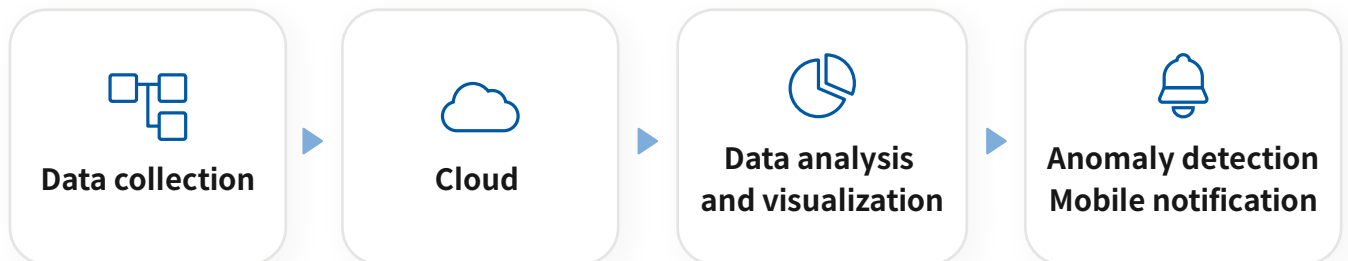
Operational speed monitoring

· Trend of speed.

· SPM.(Stroke per minute)

· Calculate electricity consumption with average SPM.

Real time data collection and Error detection

Powered by AI

Data collection ▶ **Cloud** ▶ **Data analysis and visualization** ▶ **Anomaly detection Mobile notification**

Data collection

Sensors from machine
Electricity device(E-meta)
Cloud transfer

Data Analysis

AI / Machine Learning
Data analysis module
Report for Weekly / Monthly

Anomaly notification

Anomaly detection algorithm
Mobile notification

MachineView

MachineY

E-meta

R S T

Analysis report

AI-based power consumption forecasting

AI anomaly detection

Mobile notification

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https://machine365.ai

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