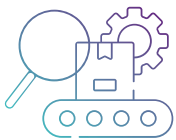


# Get into Industry 5.0 with Zerynth



**Asset and Machine Monitoring**



**Production Efficiency**



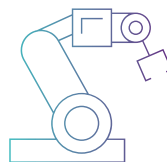
**Production visibility and order tracking**



**Energy consumption monitoring and optimization**



**Condition Based Maintenance and Predictive Maintenance**



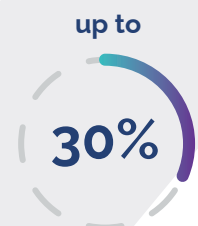
**Retrofitting of industrial machinery**



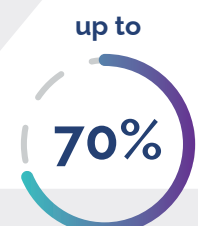
Transform extracted data into valuable insights. Discover Zerynth's Industrial AI Copilot



**Energy Consumption Reduction**



**Maintenance Cost Reduction**



**Downtime Machine Reduction**

# Connect any industrial machinery with No-Code Configuration



Lathe Machine



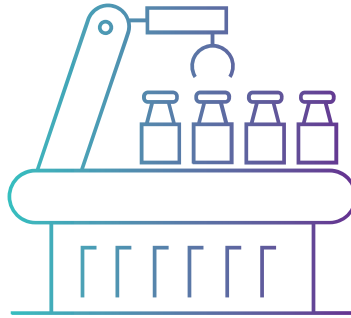
Electrical cabinet



Injection molding



CNC Machine



Machine usage analysis  
and downtime tracking

Quality and  
Performance

Alarms and maintenance

Energy costs and  
consumption

NON-INVASIVE CONNECTION OF  
ANY INDUSTRIAL ASSET

NO-CODE AND REMOTE CONFIGURATION  
IN LESS THAN 3 HOURS

REAL-TIME DATA EXTRACTION  
AND AGGREGATION FOR KPIs

## Get real-time visibility into your industrial asset and production processes

ELIMINATE  
INEFFICIENCIES

ENABLE NEW  
BUSINESS MODELS

IMPROVE SAFETY OF  
CONSTRUCTION SITES  
AND FACTORIES



Figure 1. Legacy Machine

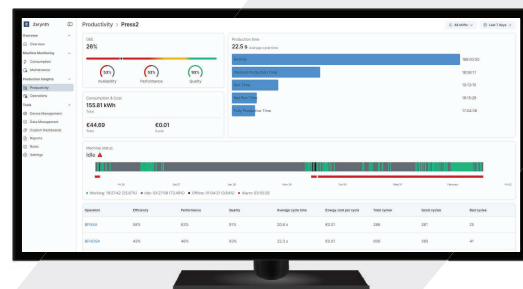


Figure 2. Productivity Overview

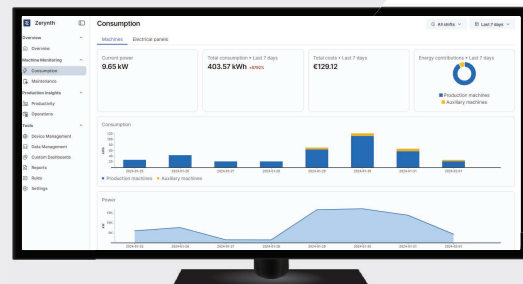
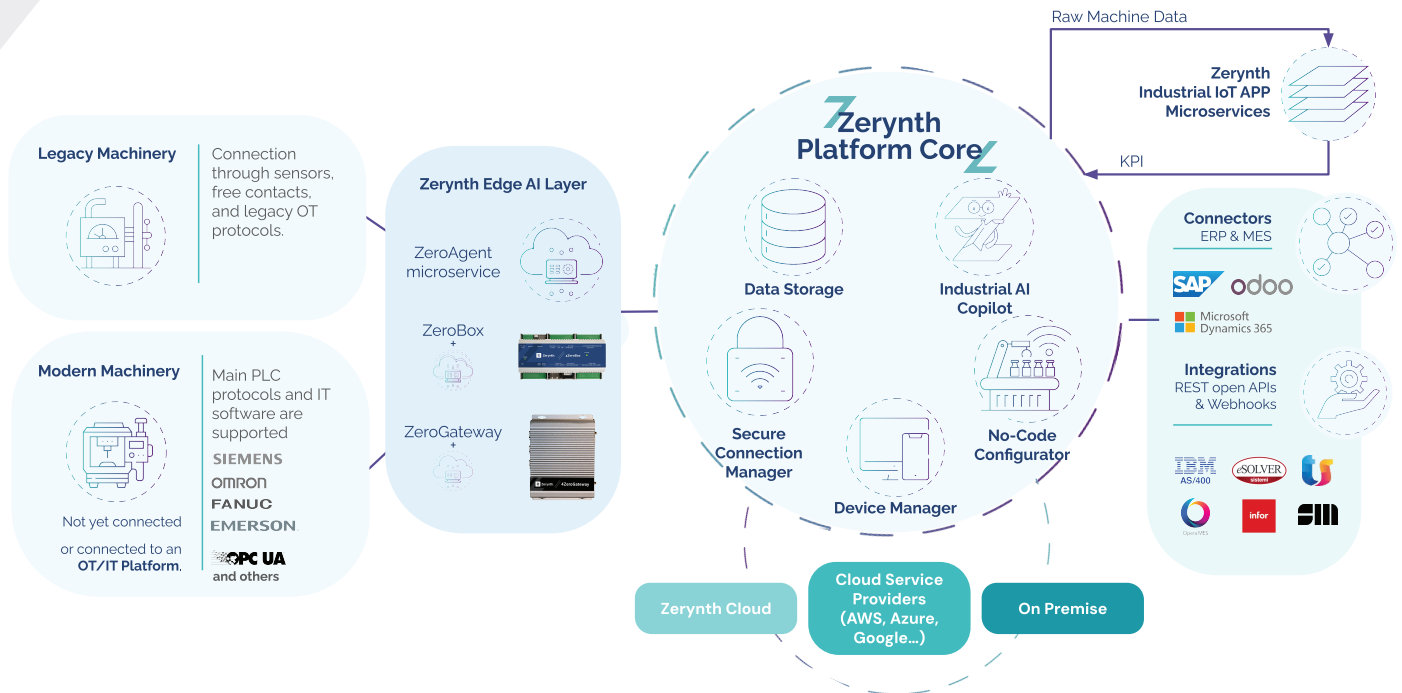


Figure 3. Consumption Overview

Real case legacy machine connection with the use of a 4ZeroBox Edge device (Fig 1) for monitoring productivity (Fig 2) and energy consumption (Fig 3) thanks to the Zerynth Platform.

# From data collection to data exploitation

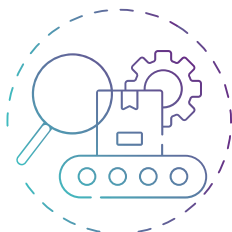
Integrated with any ERP, MES, or BI system present in the company



Zerynth Industrial IoT & AI Platform Architecture  
Available in SaaS mode on Zerynth Cloud, Azure, AWS and other IAAS or on-premises on your IT infrastructure.

## Zerynth Industrial IoT & AI Platform

Zerynth simplifies Industry 4.0 transformation for various sectors through pre-configured Apps



### Machine Monitoring

Monitor all machines and assets, control their performance in real-time, reduce energy costs, minimize downtime, and manage maintenance.



### Production Insights

Increase efficiency of your production process, receive intelligent insights, improve productivity (OEE), monitor product quality accurately and reduce costs.



### Machine Control

Remotely manage, configure, and monitor your assets by sending commands/recipes directly to the PLC of your industrial machinery and ensure compliance with Industry 4.0 requirements to access fiscal benefits.

## Case Studies



Zerynth supported Armal in developing an IoT system that allows remote monitoring of their production machinery performance.

20  
years

Machines' age  
to digitalize

40%

Energy  
Consumption  
Reduction

4  
months

Return on IoT  
Investment

### The Results

- Industrial IoT system for optimizing the energy consumption of production machinery.
- Real-time monitoring of machinery KPIs to promptly identify anomalies and make strategic decisions.
- Automatic calculation of produced components to reduce manual labor and minimize the number of defective components.



Vitesco reduced machines' downtime with Zerynth's Industrial IoT platform and they are now able to predict malfunctions of pneumatic valves within 24 hours.

<6

Months  
Implementation

24h

Malfunction  
Prediction

€€€

Savings from  
false-negative  
scrap detection

### The Results

- On-premises IIoT system for real-time monitoring and predictive maintenance in a fuel injector assembly line.
- 24-hour advance prediction of component failures: valves and sealing elements.
- Minimization of false negatives and manual diagnostic interventions.

## About Zerynth

Zerynth supports manufacturing companies in streamlining production by increasing the value of interconnected industrial assets. Through the Zerynth Industrial IoT & AI Platform, it connects any industrial machinery in less than 3 hours, using a plug-and-play and non-invasive approach, enabling a complete 4.0 transformation with simplicity, speed and security. Founded in 2015, Zerynth counts a team of over 40 experienced IoT professionals, strategic partnerships with system integrators and technology providers such as SAP, as well as over 150 customers across diverse industries: discrete manufacturing, food & beverage, logistics, utilities, and machinery manufacturing. Headquartered in Pisa, Italy, Zerynth is actively pursuing an ambitious international expansion project.

### REQUEST YOUR DEMO

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