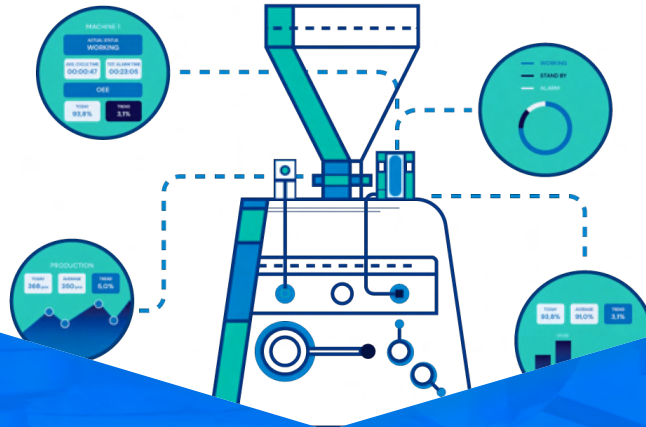




Get more from your machines with the Zerynth Industrial IoT & AI Platform



Production monitoring



Energy consumption monitoring



Retrofitting of industrial machinery



Predictive maintenance



Industrial IoT Products and servitization



Compliance with regulations

We can connect the entire factory

Legacy/Modern, Productive/Auxiliary Machinery in a holistic view over your industry.

We integrate with any IT system

Easy integration with any BI, ERP, or MES system in the company.

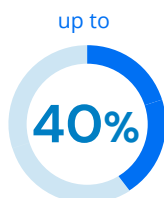
We connect every machine in less than 3 hours, with maximum security

Plug-and-play Industrial IoT platform with preconfigured Apps, microcontroller-based technology and integrated Secure Element.

You can quickly scale the solution

Start with a PoC on a few machines and then move to a production line, a plant or the entire factory, according to your business needs.

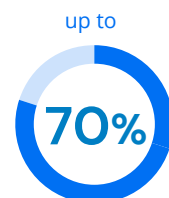
Get Immediate Benefits



Energy consumption reduction

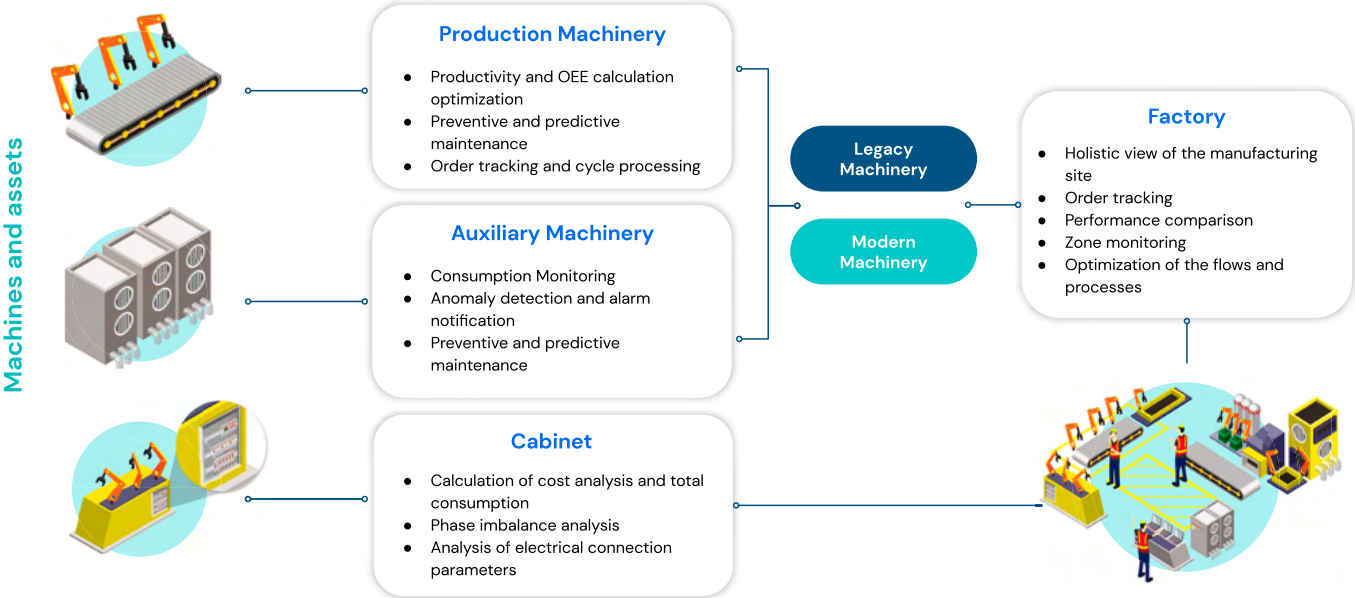


Maintenance costs reduction



Machine downtime reduction

The shop floor of manufacturing companies



From data collection to data exploitation and solving real problems

ELIMINATE
INEFFICIENCIES

ENABLE NEW
BUSINESS MODELS

IMPROVE SAFETY OF
CONSTRUCTION SITES
AND FACTORIES



Figure 1. Legacy Machine

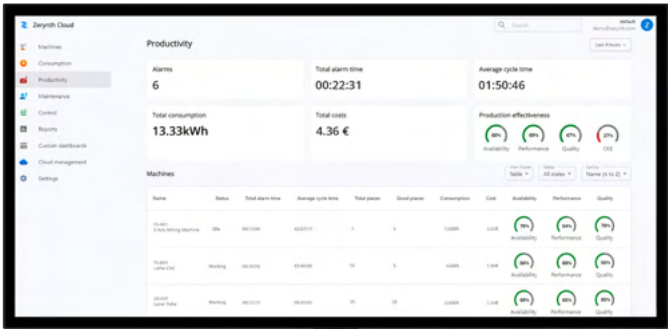


Figure 2. Productivity Overview

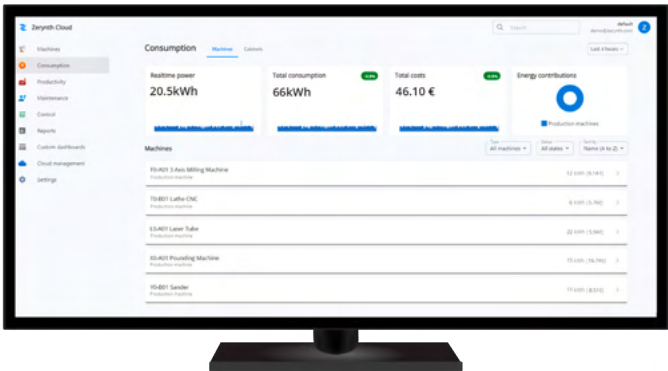
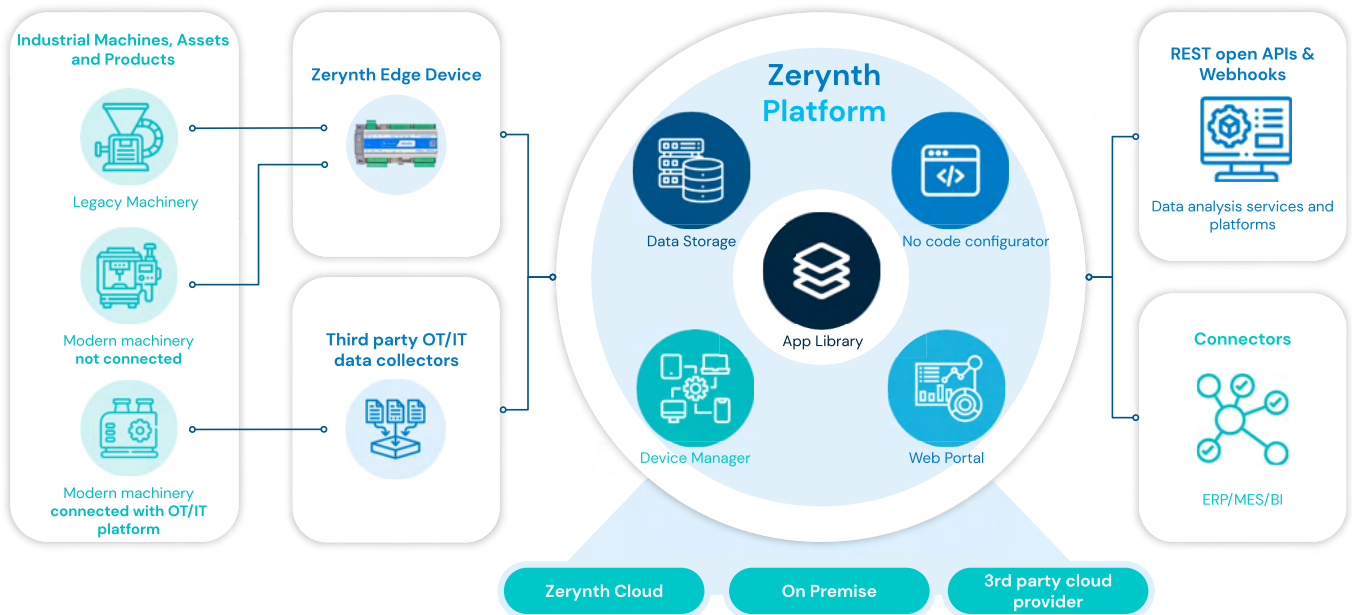


Figure 3. Consumption Overview

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.

We connect and give value to every machine or industrial product



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 – Portal

The Zerynth portal is a solution for managing the entire 4.0 factory in a unified way, thanks to the Apps designed to meet the business needs of companies operating in “discrete and process manufacturing”



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%

Power consumption reduction

4
MONTHS

Return on IoT Investment

Results

- Industrial IoT system for optimizing power consumption of production machines.
- Real time monitoring of industrial machine key performance indicators (KPI) to immediately identify anomalies and take action.
- Automatic calculation of their produced components to reduce manual work and to 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

Results

- On-premise IIoT system for real-time monitoring and predictive maintenance in an assembly line of automotive fuel injectors.
- 24 hours advance prediction of valve / sealing element failure.
- Minimized false scraps due to module damage and reduced manual diagnostics.



About Us

Zerynth enables companies to streamline production processes and increase the value of connected industrial products. Through a plug-and-play IoT & AI platform, we connect every industrial machinery, allowing for a complete 4.0 transformation quickly, flexibly, and securely.

Founded in 2015, Zerynth has grown steadily. Today it has 40+ team members with deep IoT expertise and industry knowledge with over 150 customers across many industries: from manufacturing to agriculture to energy to logistics. Zerynth is based in Pisa, Italy, but also is active in international projects, and foresees an expansion both in EU and non-EU countries during the next three years



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zerynth.com/request-a-demo/

www.zerynth.com

