

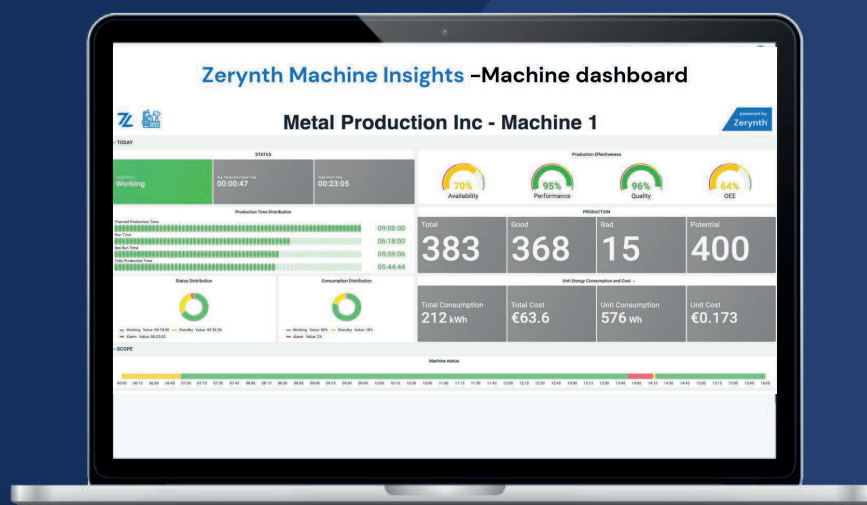


Zerynth®



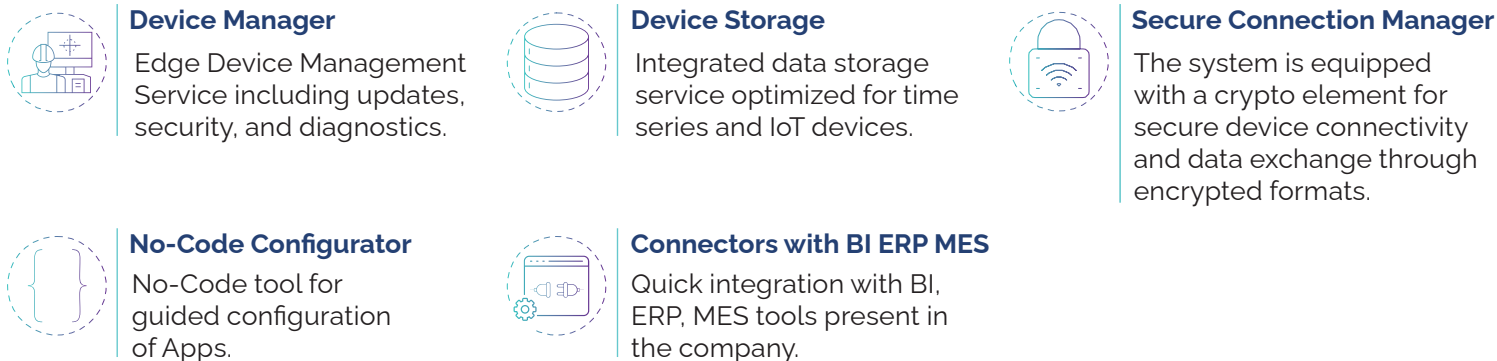
Zerynth Industrial IoT & AI Platform

A full stack hardware-software IoT and AI platform to connect any industrial product or machinery and get visibility on the entire factory in a unified way.



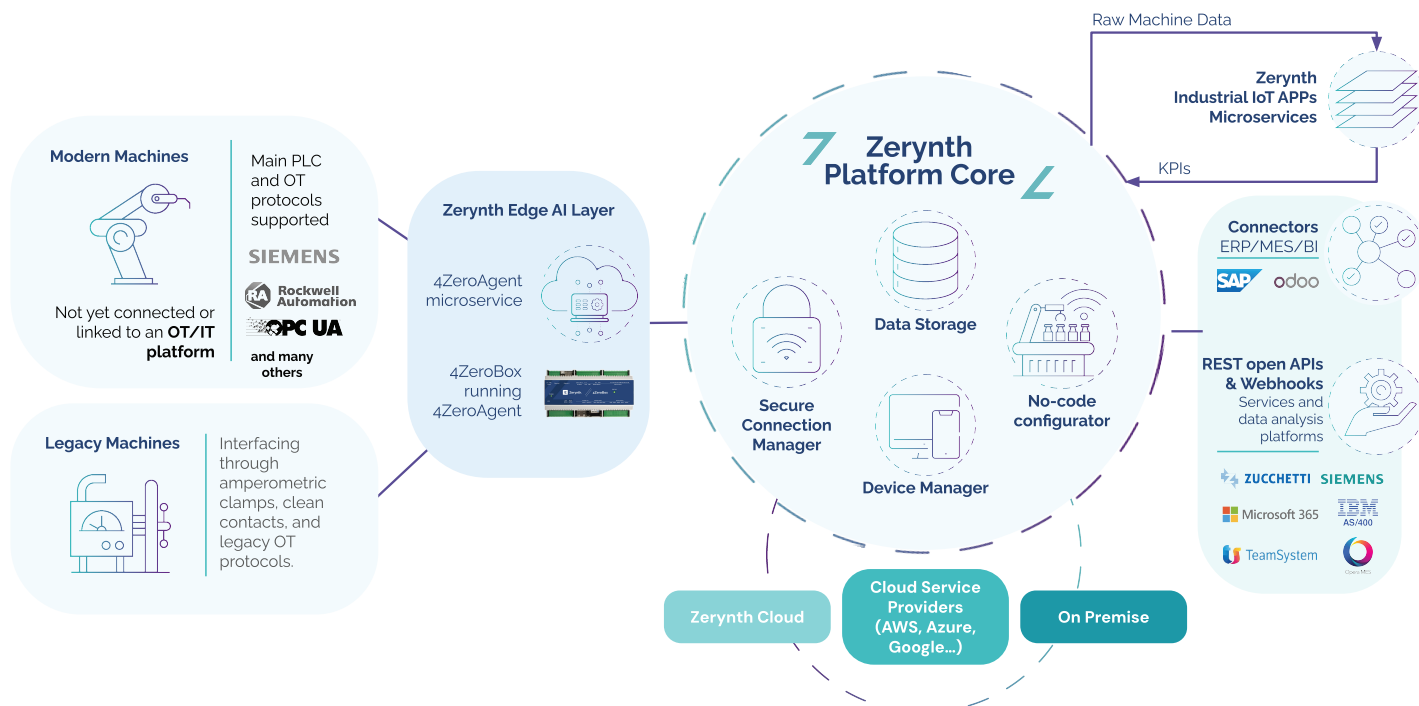
Zerynth Platform

The Zerynth Platform is composed of:



Designed for scalable and secure IoT applications

Zerynth provides a full stack hardware-software IoT and AI platform to connect any industrial machine. From a single interface, you can manage IoT devices, store and visualize data, and gain insights to make data-driven business decisions



Zerynth Platform Core is available as SAS or on-premise.

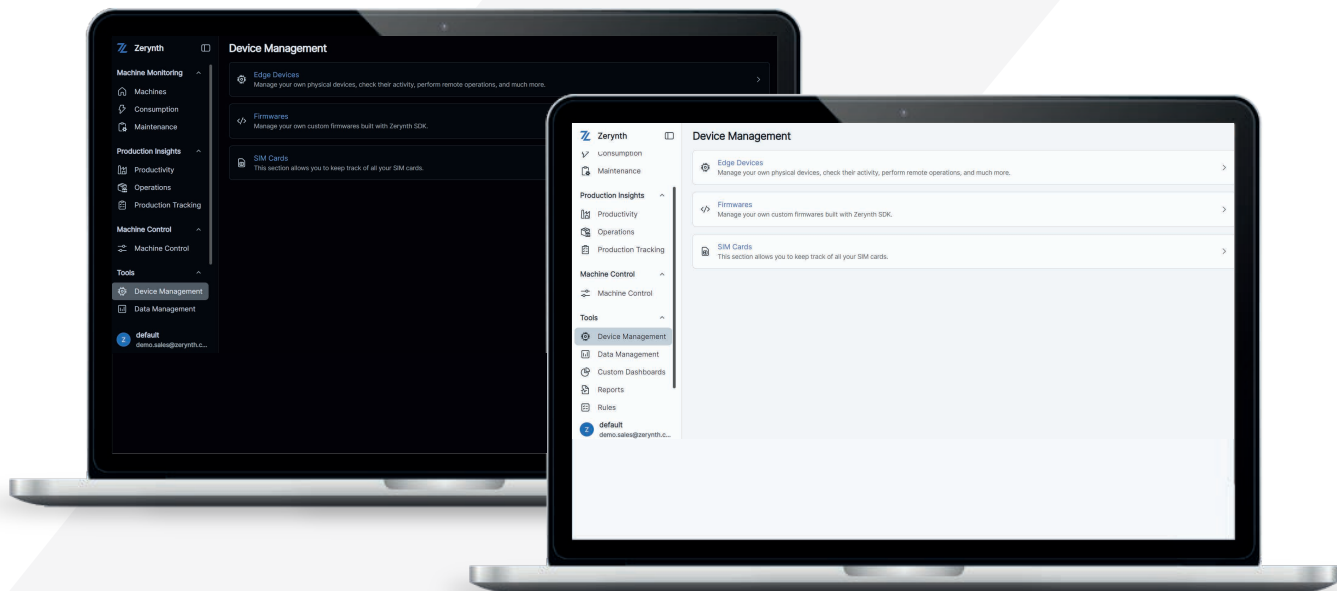
Zerynth Platform

Main features of the Zerynth Platform:

- Efficient device management for monitoring and controlling fleets of devices.
- Fail-safe OTA capabilities that enable updating firmware, and adding features remotely.
- Cross-platform dashboard for end-users.
- Guaranteed security with cutting-edge data encryption and secure edge device design.
- Easy integration into systems using webhooks and REST Open APIs.
- Available as a service or on-premises.
- Management of SIM cards linked to the mobile connectivity of Edge Devices.
- Extraction of raw data sent by Edge Devices.

Device Manager

Edge Device Management Service including updates, security, and diagnostics.



Main Features of Device Manager

- Onboarding and claiming of devices with the highest security standards.
- Devices lifecycle control with remote procedure call and over the air updates (FOTA) through REST APIs.
- Event management of devices for monitoring their activities.
- Fully integrated cellular connectivity with SIM/eSIM and private secure connection.
- Available as a service or on-premises.

Zerynth Platform

Secure Connection Manager

The system is equipped with a crypto element for secure device connectivity and data exchange through encrypted formats.

Main Features

- Secure connection with Zerynth Platform Core.
- Secure Element natively integrated.
- Connectivity Stack based on TLS v1.2 e v1.3 standard protocols.
- Data Encryption during the connection between Edge Device and Zerynth Platform.
- Bidirectional Authentication and keys change based on ECDSA.

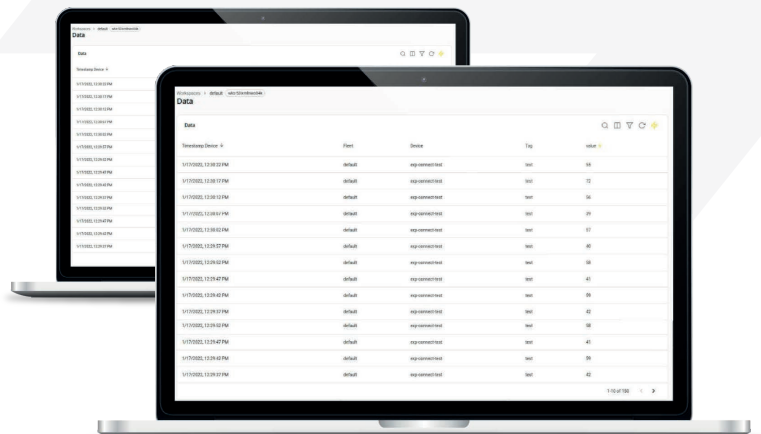


Data Storage

Dedicated cloud service is optimized for storing time series data and offers easy integration through APIs and export capabilities.

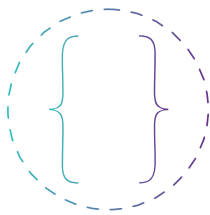
Main Features

- Dedicated GUI for automatic data recognition and filtering.
- Supports advanced REST API to retrieve both raw and aggregated data.
- Single or periodic export of data for single devices or fleets of devices in CSV or JSON formats.
- Forwarding of data and events to third-party platforms through generic webhooks or protocols of the most common providers (Azure IoT).



Zerynth Platform

No-Code Configurator



No-Coding

You don't need to have deep technical knowledge to send and receive data from your machines.



Quick and easy installation

Easy configuration of your production monitoring system and machinery energy consumption.

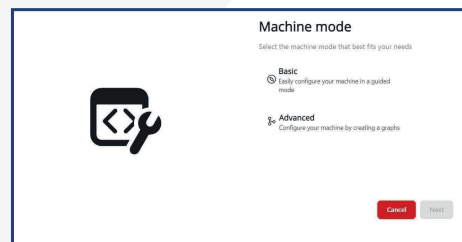


Connect in a few minutes

Quick connection with every machinery or industrial asset to data extraction and visualization on dashboards ready to use.

How does it work?

The Zerynth Apps are installed and configured directly from the Zerynth Cloud portal through a very simple "Wizard" type interface that does not require programming code development.



Connectors and Rest Open APIs

Zerynth Platform can be seamlessly connected with any **BI**, **ERP** or **MES** already present in the company. The integration is also available with third-party tools through Rest Open APIs or Webhooks.

Technical Features

The Zerynth REST APIs offer access to data, devices, job and FOTA services, as well as workspaces and fleets. This API can be called from any application that can send an HTTPS request and receive an HTTPS response. Zerynth Device Manager grants access to endpoints by verifying an API key.

Zerynth Platform

Zerynth Connector for SAP



Streamline data extraction from industrial machines and empower data analysis with valuable insights.



Digitization of industrial machines with Wi-Fi, Ethernet, or Mobile connectivity.



SaaS or on-premises solutions with plug-and-play and non-invasive implementation.

Zerynth Connector for Odoo



Accurate data from any industrial machinery securely integrated with Odoo modules.



Flexible deployment and connectivity.



Complete visibility over entire shop floor.



About Zerynth

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 any industrial machine, 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.

REQUEST A DEMO

Scan the QR Code or visit this page
zerynth.com/request-a-demo/

