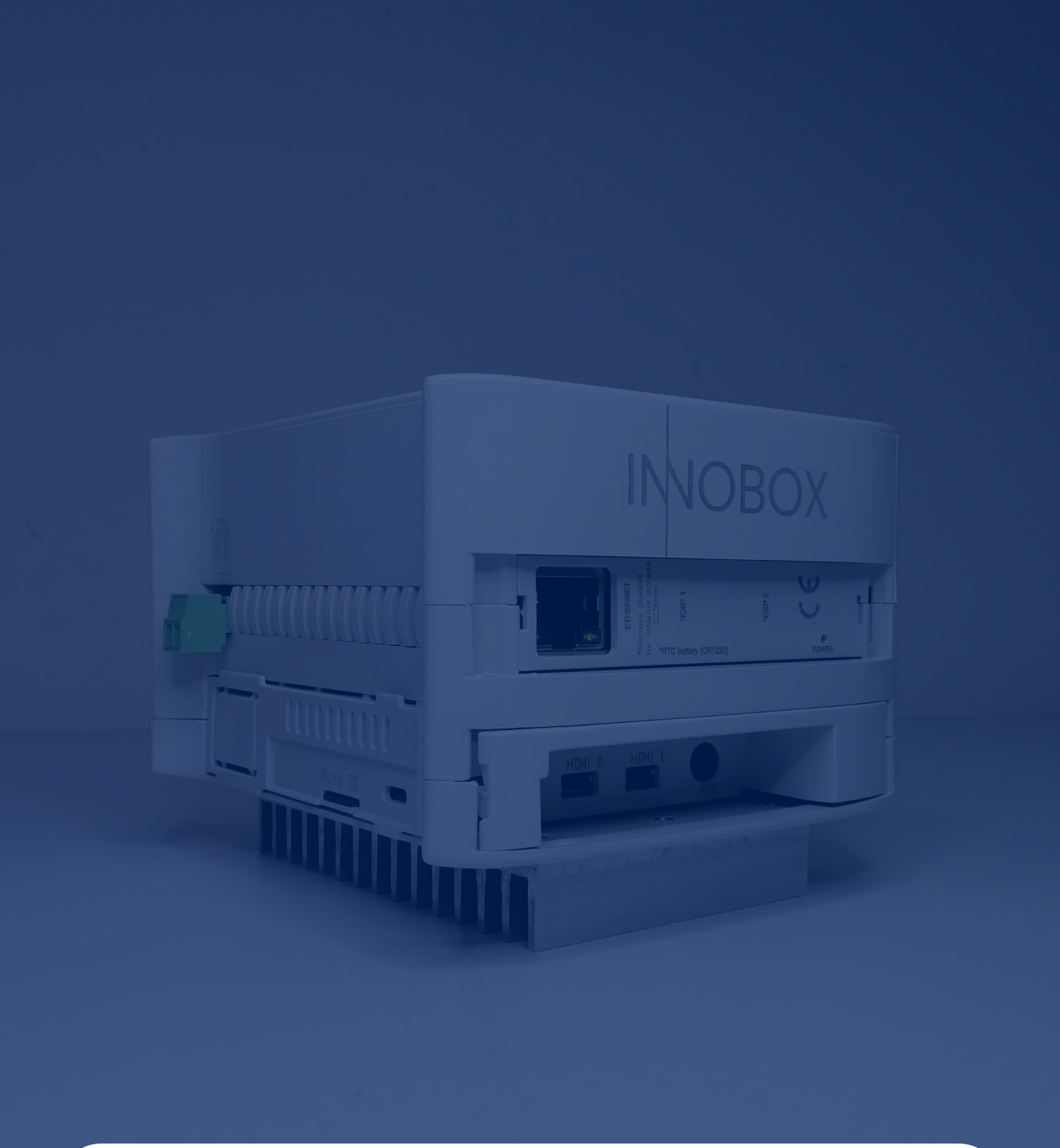


Brochure

Industrial **IoT solution** for industrial machines

INNOBOX

Do you know the condition of your machines?

Are you producing over-specs?
Which shift is the most efficient?
How long did it take to react to a shutdown?
Which alarms affect the most?
What is your consumption for each product, shift or recipe?

If you don't know the answer to these questions it's time to use our

INDUSTRIAL IOT SOLUTION FOR INDUSTRIAL MACHINES.

INNOBOX simplifies the collection, analysis and exploitation of industrial machine data, both at the machine and remotely, in an easy and non-intrusive way with control devices.

INNOBOX

Why Innobox?

Non-intrusive system with PLC control.

Multiprotocolo PLC, Ethernet/IP, Allen Bradley, Modbus, OPC UA, SIEMENS, OMRON, etc.

Reduced operating costs, due to optimised processes.

Can be integrated with customer operating systems ERP, MES, GMAO, SCADA's, BI.

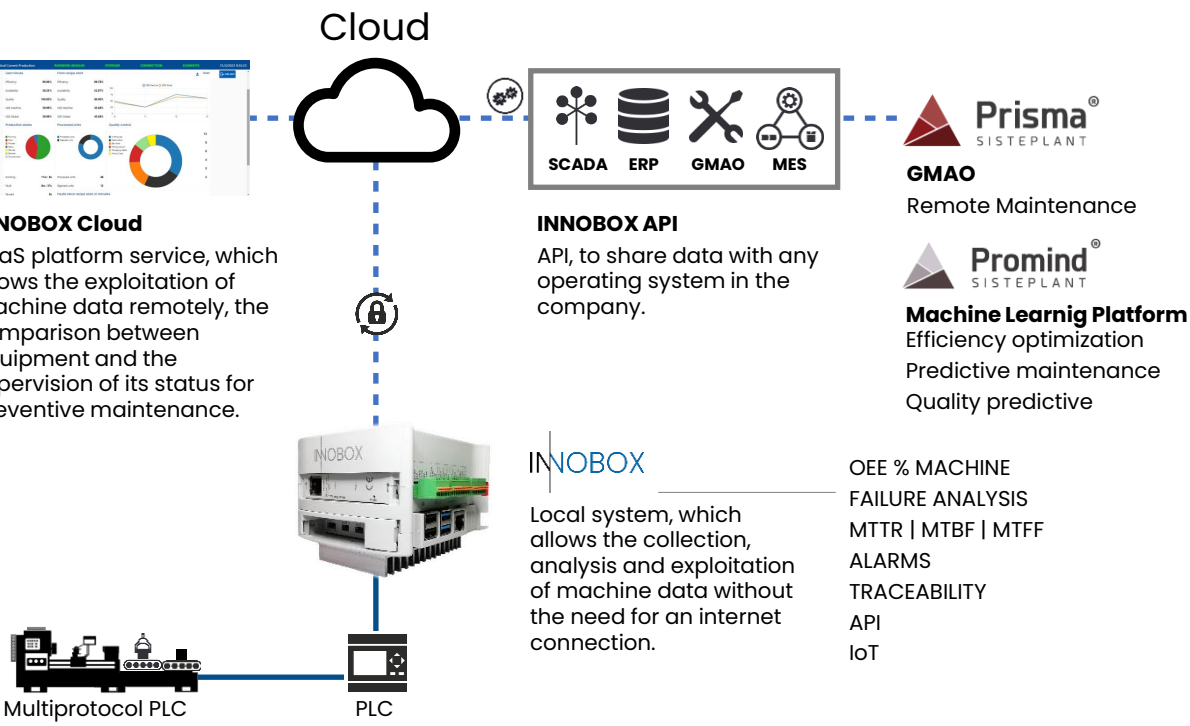
Analysis and exploitation of data **without the need for an internet connection.**

24/7, 365 days autonomous vigilance system.

Reduced downtime and **increased productivity.**

Multi-user solution.

VPN FUNCTIONALITY Integrated into the device allowing remote connection to the INNOBOX to securely update, support or debug the system.



INNOBOX Cloud

SaaS platform service, which allows the exploitation of machine data remotely, the comparison between equipment and the supervision of its status for preventive maintenance.

INNOBOX API

API, to share data with any operating system in the company.

GMAO

Remote Maintenance

Machine Learnig Platform

Efficiency optimization
Predictive maintenance
Quality predictive

INNOBOX

Local system, which allows the collection, analysis and exploitation of machine data without the need for an internet connection.

OEE % MACHINE
FAILURE ANALYSIS
MTTR | MTBF | MTFF
ALARMS
TRACEABILITY
API
IoT

INNOBOX

One-click data

Analytical current production

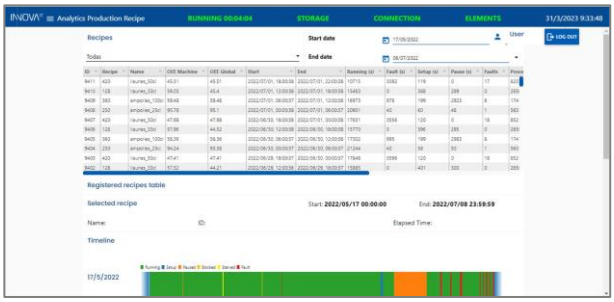
Production data for current production:

- Machine and line OEE
- Efficiency, Availability, Quality
- Type of units produced
- Recipe status (time)
- Machine faults (status time)

Analytics production recipe

Historical production data by recipe to be filtered by recipe name or date.

- Productivity data
- Details of production statuses
- Efficiency, Availability, Quality
- Counter and typology of units produced



Shift analytics

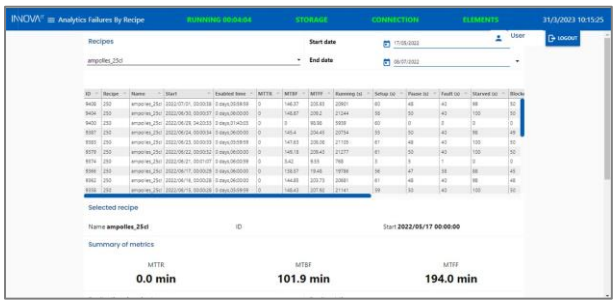
Data divided according to work shifts (morning, afternoon and evening).
It can also be filtered by date to obtain data such as:

- OEE of machine and line.
- MTTR | MTBF
- Counter and type of units produced
- Machine status (time)

Analysis failure by recipe

Logging of machine faults and corrective times, to be filtered by time interval and recipe:

- MTTR |MTBF| MTFF.
- List of machine faults
- Indicator of the type of shutdown: internal/external
- Machine status (time)
- Record of number of faults.

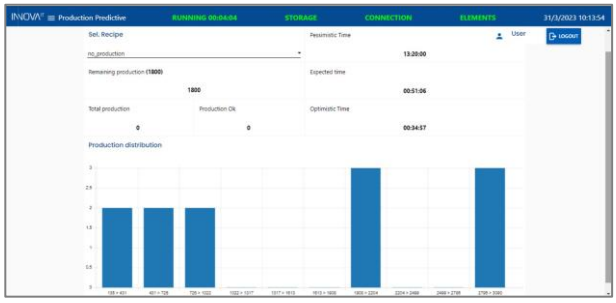


INNOBOX

One-click data

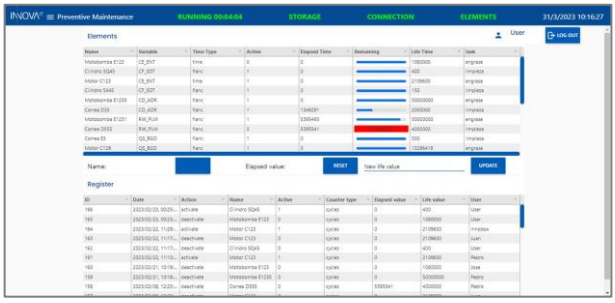
Production Predictive

Production predictive time tool based on analysis of historical record distribution and quality, for current or selected recipe.



Preventive maintenance

List of machine elements with elapsed value and lifetime value of this element, as well as the maintenance task to be performed and control of these values.

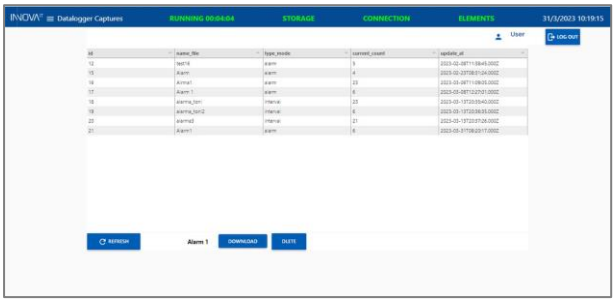


Datalogger

Real-time data logging for monitoring and correlating process variables. Allows in-depth analysis of a process, based on event-driven monitoring of signals and timers.

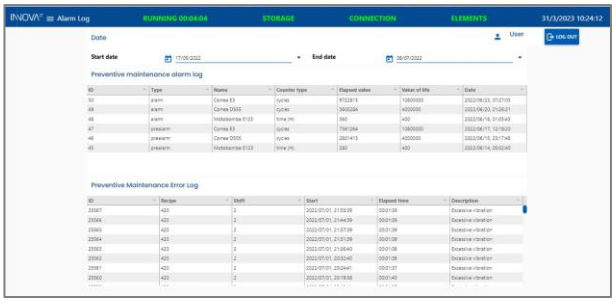
Datalogger captures

Historical record of datalogger captures. Allows download as csv or delete.



Alarm log

Logging of alarms and errors for preventive maintenance that can be filtered by date.



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