



Fault Prevention

Prevent machine downtimes and monitor your factory's consumption.

2026

What is Fault Prevention?

Fault Prevention is an IoT device that collects and analyzes data from machines, preventing **operational downtimes** and supporting production personnel in both routine and non-routine maintenance.

Thanks to the aid of an **Artificial Intelligence** system, Fault Prevention:

01

Identifies and signals anomalies in a **predictive** manner.

02

Provides detailed instructions to operators to **resolve anomalies** and machine downtimes, interacting with them in natural language.

03

Monitors machine **consumption**, fostering energy efficiency.



Technical Specifications



01

Modbus TCP/RTU **interface** for direct integration.

02

Analog/Digital **Input Module** for reading even without a PLC.

03

Ethernet and Wi-Fi **connectivity**.

04

2G/3G/4G/5G Module for operation without an **internal network**.

05

Amperometric clamps for **precise measurements** without modifying the current installation.

06

API for **integration** with BI, MES, and ERP systems.

01

Configuration

During **installation**, the device allows, through a wizard:

- The selection of **sensors/values** to be monitored.
- The classification of **zones/areas** for better recognition and the initial **identification** of the relationships between probes/sensors/variables.
- The upload of **technical documents** for the machines (PDF or TXT), useful for the AI to provide assistance and generate rules.

02

Training Phase

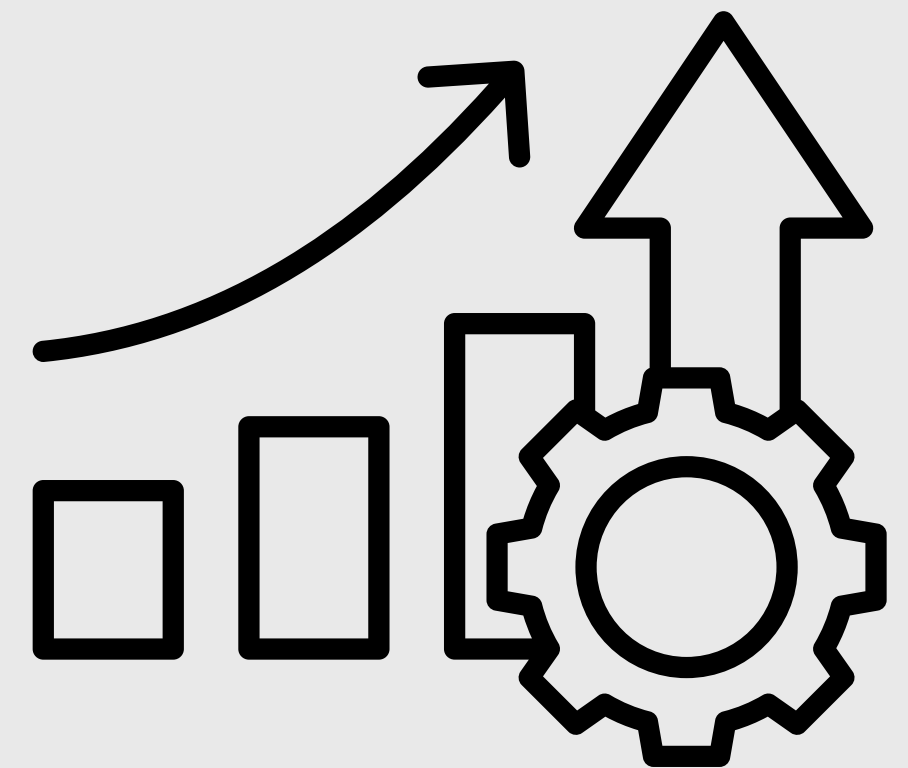
- The device will **monitor the data** and correlations among sensors, creating personalized rules. During this phase, any anomaly reports will be manually verified by operators to enhance the training of the artificial intelligence.

03

Operation

After training, Fault Prevention:

- Analyzes data in real time to flag even **the smallest variations** useful for predictive maintenance.
- Monitors **consumption** to optimize **efficiency** from a 5.0 perspective.
- Provides detailed instructions regarding **anomalies** to operators, based on documents uploaded during configuration.
- Operates both with an **Internet connection** and **offline**, thanks to the GSM module.

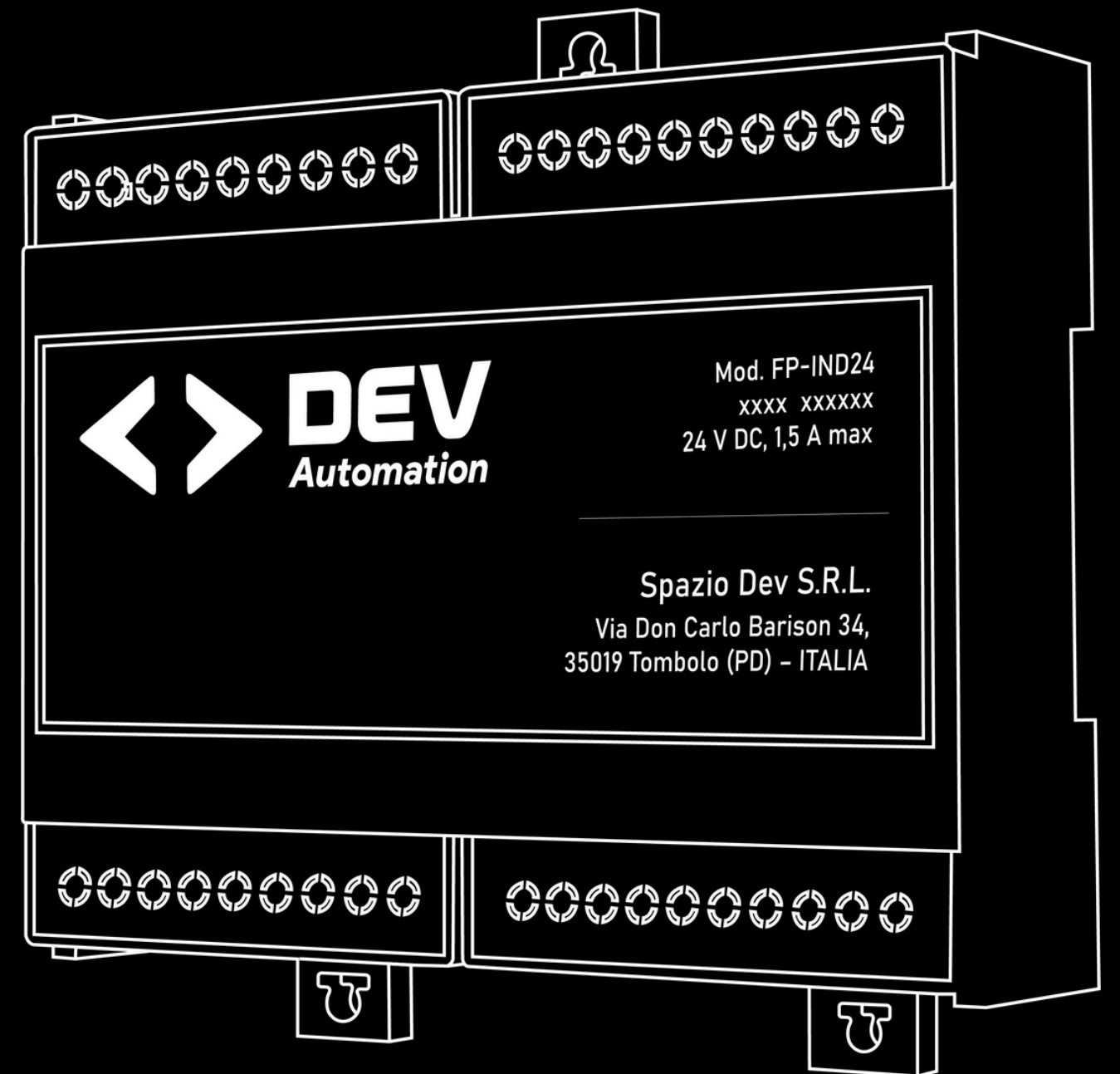


ROI (Return on Investment)

50%

from reduced downtime

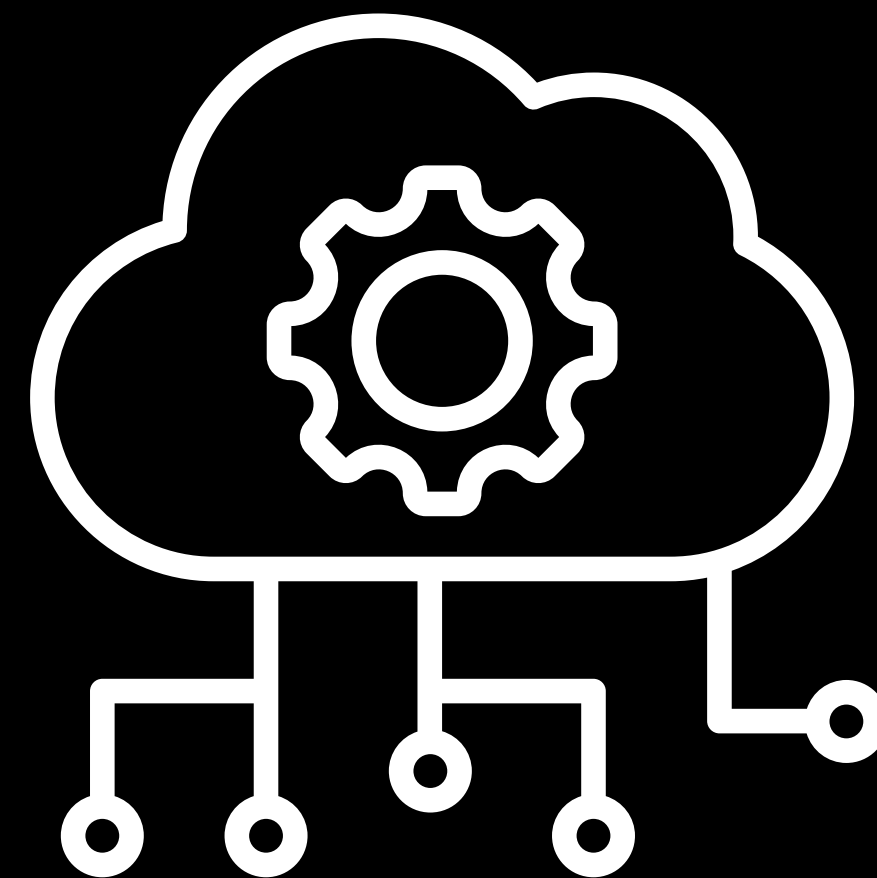
Optimization of operating costs: an **average saving of 10.5%**, thanks to planned interventions.



Fault Prevention Cloud

The Cloud platform allows complete **data management** with maximum security:

- Real-time **monitoring** of the main KPIs through a simple and intuitive dashboard.
- Extraction of **graphical data** for in-depth analysis.
- Integration with **external systems** via dedicated APIs.





Investing in the efficiency of your production today means **saving** tomorrow.

Fault Prevention is the solution you've been waiting for.



