AIVOLUTION Srl

# AInspector®

## low effort. HIGH VALUE.

The AI Assistant for Industry 5.0

www.aivolutionsrl.com/en

# Aivolution

## AI & ML for Innovative and Sustainable Organizations

Aivolution Srl is a company founded by **researchers** and **university professors**, partner of **innovative companies** and **public institutions**, specialized in human-centric **AI**, **ML** and **Big Data** software solutions, deployed across **cloud platforms**, **edge computing environments**, and **on-premises infrastructure**, with the aim of increasing **sustainability**, **productivity** and **awareness**.

### Our Expertise

- Artificial Intelligence
- Machine Learning
- Big Data

### Our Technology Stack

# Our Partners

ISTITUTO ROMAGNOLO PER LO STUDIO DEI TUMORI DINO AMADORI

forgreen GROUP
The Green Generation Company

POLLUTION
ANALYTICAL EQUIPMENT

iFAB
INTERNATIONAL FOUNDATION
BIG DATA AND ARTIFICIAL INTELLIGENCE
FOR HUMAN DEVELOPMENT

VAIMEE

REVERSE

GRABO BALLOONS

GUINESS TRAVEL

ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA
A.D. 1088

# Our Business Model

**PARTNERS**

data & know-how

**Data Providers**

**Solution Providers**

**Domain Experts**

**University & Research Centres**

AIVOLUTION® Srl

end-to-end solutions

**"Business" CLIENT**

PoC AI-based solutions

+ **SaaS** license

**"Partner" CLIENT**

new services

**"Final" CLIENT**

# The Needs in Industry 5.0

## Real-time Monitoring

Keep **production processes** under control in an **easy**, **fast**, and **innovative** way

## Data-driven Decision

Optimize **factory processes** and **sustainability** through **advanced planning** and **accurate forecasting**

# Business Intelligence Limitations

**No** real-time monitoring

**Usage** complexity

Hard management of **Big Data**

No **forecasting**

# AInspector Technology

PATENT PENDING

## LLMs
(Large Language Models)

**USER-FRIENDLY INTERACTION**

LLaMA by Meta

MISTRAL AI_

## ML
(Machine Learning)

**ACCURATE PREDICTIONS**

AI on Demand

## KGs
(Knowledge Graphs)

**TRACKABLE INFORMATION**

neo4j

Stardog

AllegroGraph Franz Inc.

# AInspector supports Personnel

## Manager

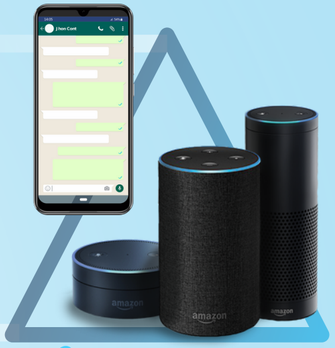
- Production Planning
- Predictive Maintenance
- Quality Control
- Warehouse Management
- Energy Saving

## Technician

- Job Configuration
- Machine Monitoring
- Anomaly Detection
- Technical Interventions
- Document Consultation

# AInspector in your Factory

**Interacts** via
ALEXA,
TELEGRAM,
WHATSAPP,
GOOGLE ASSISTANT



SW

**Integrates** with
ERPs, SCADAs, MESs,
PLMs, CMMSs, WMSs

IIoT | PLC

MACHINES

# AInspector's Features

## Value extraction from your data

Analysis and forecasting for efficiency optimization and sustainability

## Domain specific knowledge

More targeted and relevant advice compared to 'generalist' AI

## Privacy and security compliance

Accurate management of personal data and sensitive information

## User Friendly UX

Quick responses, integrated data visualization tools (Grafana, Power BI, Tableau, Superset), and customization to evolving business needs

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