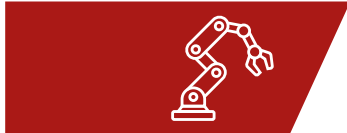# cleia OS

CUSTOMIZED
solutions

A **multi-platform** solution.

Seamless compatibility with **multi-brand industrial equipment**: robots, automated storage systems, mobile robots, business processes...

Flexible hosting solutions tailored to your infrastructure needs: on-premises, cloud-based, or hybrid.
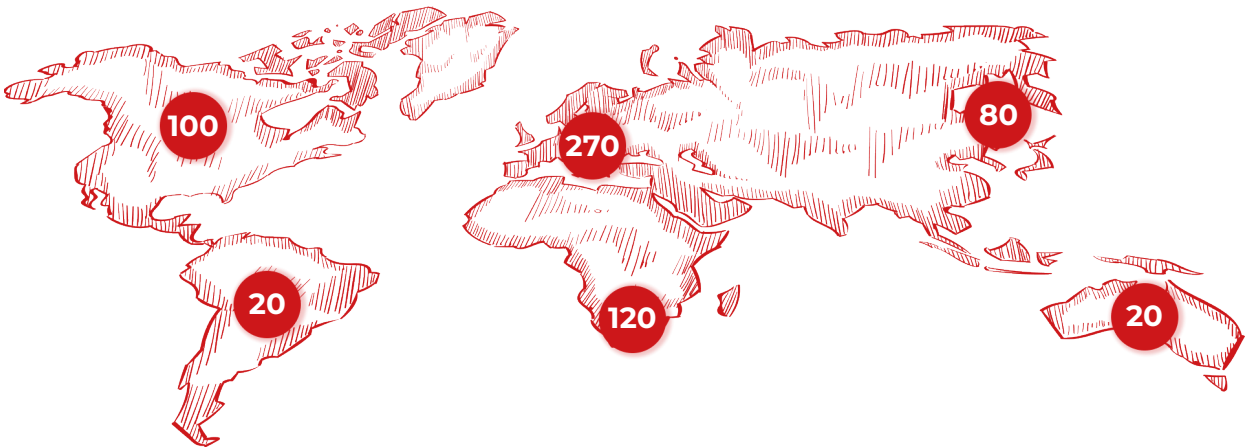
Robust cybersecurity measures implemented across multiple layers, including secure application access and best practices in coding.

A **scalable and evolving** system designed to ensure continuous **production with zero downtime**.

ERP

ROBOTICS

THERMICS

cleia OS
Orchestration
Maintenance
Artificial Intelligence
Control / Supervision

OTHER MODULE

Our
IMPLEMENTATIONS
all around the world

100
270
80
20
120
20

CORPORATE
information

230	5	70%	610
EMPLOYEES	BUSINESS AREAS	OF REVENUE EARNED INTERNATIONALLY	INSTALLATIONS WORLDWIDE

Our
PARTNERS

EVOLIS

ROBOTICS VALLEY

NUCLEAR Valley
FEDERER LES ÉNERGIES

bpifrance

La FRENCH FAB

CLEIA

🏠 2, avenue Spuller F - 21340 NOLAY

📞 +33 (0)3 80 26 71 00

✉ info@cleia.fr

🌐 cleia.fr/en

papers
PAPERS TO RECYCLE

Photos credits : Cleia, Adobe Stock.

Control & Supervision Platform

cleia OS

cleiaos.com

Why SUPERVISION matters

- STORAGE / WORK-IN-PROGRESS
- CUSTOMER SUPPORT / MONITORING
- MANAGER
- MAINTENANCE TECHNICIAN
- OPERATOR
- PRODUCTION MANAGER
- QUALITY MANAGER
- COMMISSIONING TECHNICIAN

Providing accurate information, at the right time, to the right person.
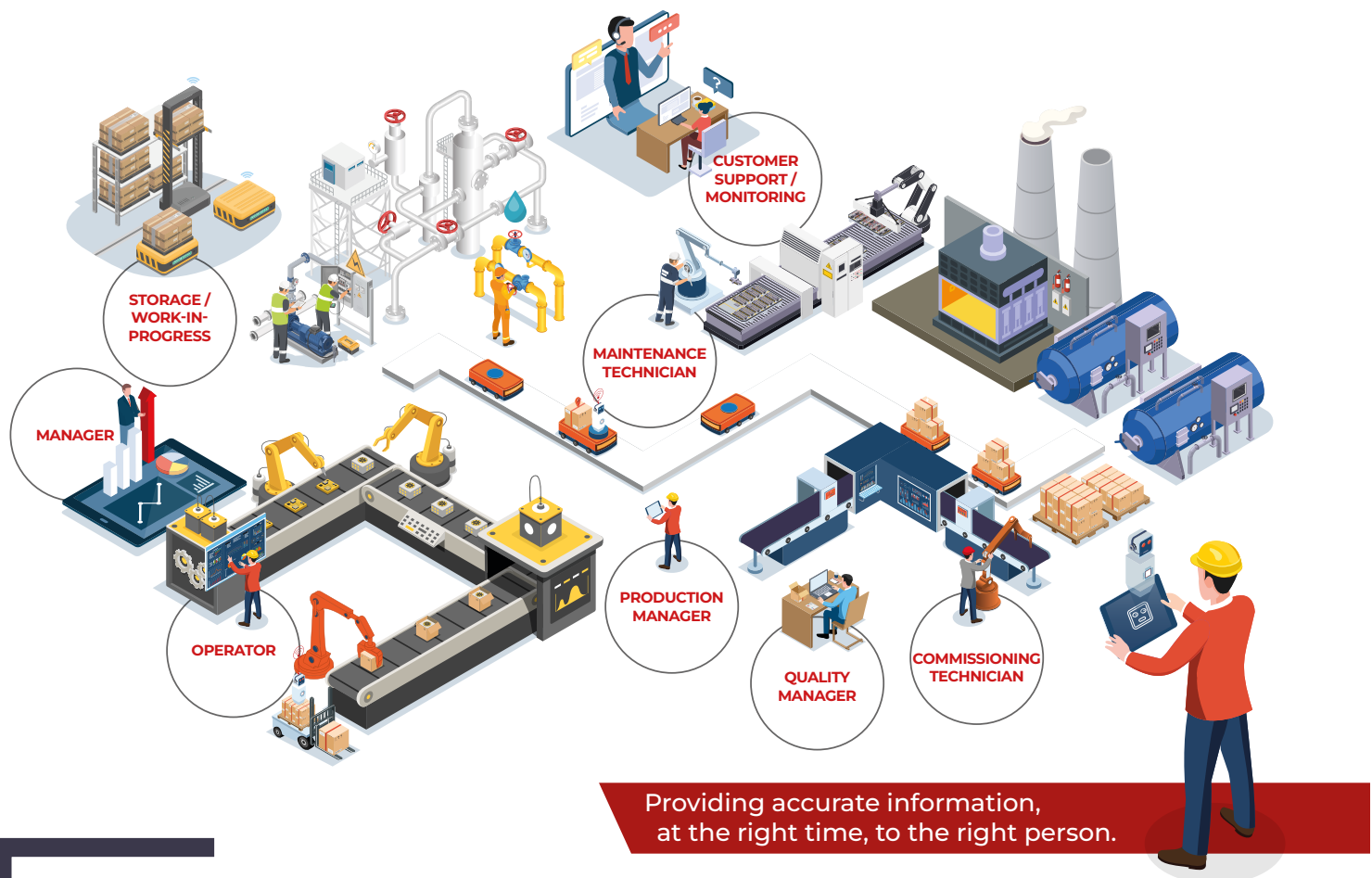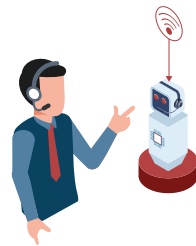
CleiaOS KEY FEATURES

ORCHESTRATOR & CONVERSATIONAL AGENT

The orchestrator enables real-time rescheduling of production orders to handle unforeseen events.

Unlike a simple scheduler, cleiaOS dynamically reacts by optimizing production management using several modes:

- **High Performance Mode:** Ensures maximum productivity.
- **AI Mode:** Based on learning from previous production runs.
- **Energy-Driven Mode:** Optimizes the energy mix without exceeding a defined target.

The conversational agent provides maintenance support with simplified access to documentation.

It simplifies the use of LLMs (Large Language Models) trained for industry by offering multiple features:

- Quick search for immediate access.
- Intelligent LLM-based search for a complete, detailed answer.
- Recommendations for an effective corrective procedure based on a comprehensive analysis of current and historical data.

The right info on ALL DEVICES

Information adapts dynamically to each user's role and physical position within the production site.

Accessible on **PC, tablets, smartphones**…

CONTROL AT EVERY STAGE
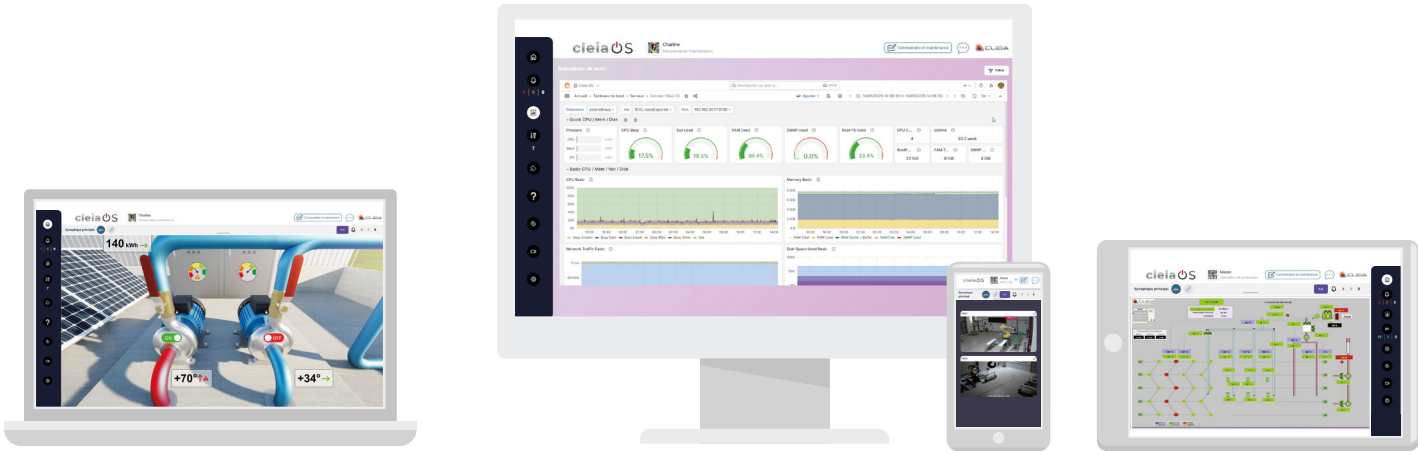
- AUTOMATED PRODUCTION LINES
- PROCESS
- AGV / AMR FLOWS
- AUTOMATED STORAGE

cleia OS

AT THE CORE OF THE PRODUCTION PLANT

CleiaOS interacts with information systems **(ERP, MES, WMS, etc.)** and with equipment **(PLCs, WCS, fleet managers, etc.)** to offer centralized and consistent supervision, tailored to all user profiles.

MAIN OBJECTIVES

- Adapt to a diverse range of manufacturers
- Simplify production schedules and tracking
- Adjust to the production site's changes
- Make the right information available to each user
- Offer ergonomic and modern user interfaces
- Enabling interoperability across multiple information systems

Control & Supervision Platform

SERVICE

ERP / MES / WMS

Production
- Commissioning technician
- Line operator
- Production manager

Maintenance
- Maintenance technician
- Maintenance manager

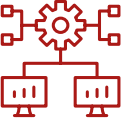**Management**
- Quality manager
- Operations director
- General management

AUTHENTICATION

Control & Supervision
Facilitated control through contextualized information

Orchestration
Multimodal Production solution:
- Optimizing energy consumption
- High performance / Productivity
- AI

AI-driven conversational assistance

Interoperability
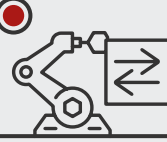IT integration / ensures continuous data flow across the information system

- **OPC UA / TCP** — Process devices
- **OPC UA / TCP** — Automated processes
- **REST API** — WCS Automated storage
- **REST API** — FMS Mobile robotics