

RAHVA Industrial IoT Platform



Real-Time Visibility. Smarter Operations.
Connected Factories.



Executive Summary

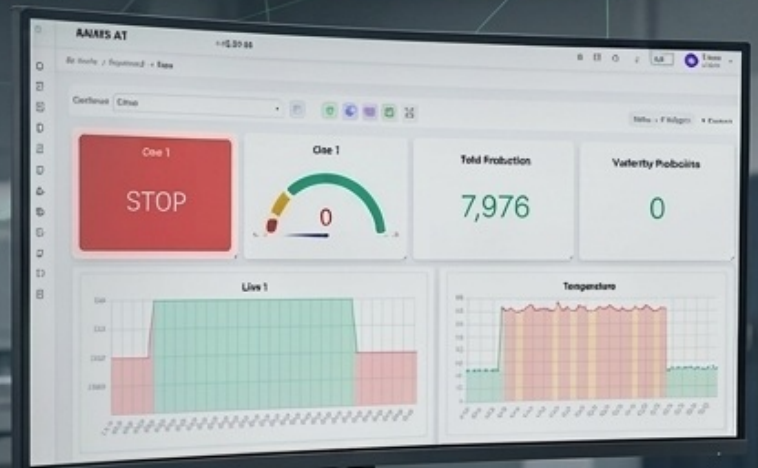
The RAHVA Industrial IoT Platform provides real-time visibility across machines, production lines, and facilities—helping operations teams reduce downtime, improve efficiency, and make faster, data-driven decisions.

Designed for modern factories, RAHVA unifies data from sensors into a single, intuitive interface accessible anywhere.

With built-in analytics, alerts, and automation, organizations can unlock higher productivity and transparent operational control.

Key Benefits

- Real-time monitoring of assets and production lines
- Reduced downtime through smart alerts and anomaly detection
- Faster decision-making with unified data and analytics
- Scalable deployment for any industrial environment



Key Features Overview

RAHVA provides a modular, extensible platform designed to adapt to any factory environment.

Core Features

- **Customizable Dashboards** – Configure KPIs, widgets, and layouts for each team
- **Data Aggregation** – Connect any sensor or system with flexible integration options
- **Real-Time Timeline & Playback** – Explore events across time with a powerful time selector
- **User Management & Roles** – Role-Based Access Control across all operations



Dashboard & Widgets Deep Dive

RAHVA's dashboard engine is designed for industrial complexity. Operators can mix charts, gauges, tables, asset views, and machine KPIs within a clean, unified workspace.

Highlights

- Drag-and-drop layout customization
- High-density data visualization without clutter
- Real-time charts and metrics
- Configurable thresholds, alerts, and color states



Data Processing & Analytics

RAHVA transforms raw machine data into actionable insights.

Capabilities

- Advanced filtering and slicing of time-series data
- Time-interval comparison and trend analysis
- Aggregated metrics for lines, cells, and plants
- Seamless export for reporting

From raw telemetry to real operational intelligence—all in one place.



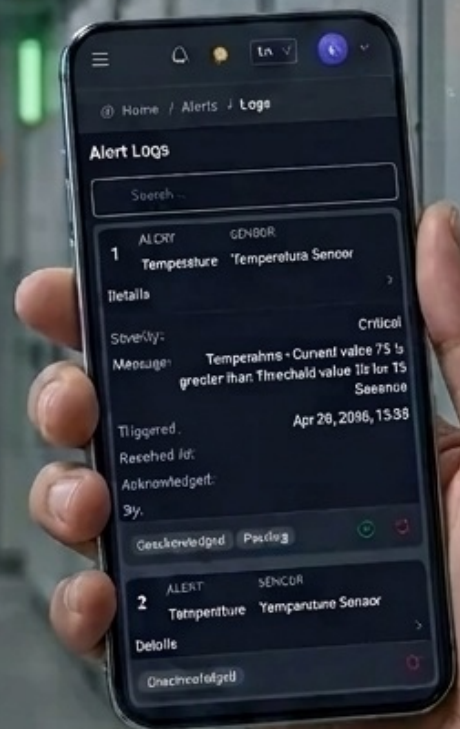
Alerting & Reporting

Stay ahead of problems with intelligent alerting and automated reporting.

Features

- Rule-based alerts for sensors
- Multi-channel notifications (in-app, messengers)
- Severity levels and acknowledgment workflow
- Automated daily/weekly production reports

Reduce unplanned downtime and increase operational reliability.



Security & User Management

Security in RAHVA is designed to be simple, predictable, and fully aligned with real industrial workflows.

User Roles

RAHVA includes three clearly defined user levels:

Admin – Full access, configuration, and system-wide management;

Manager – Operational access with elevated permissions;

Basic – Standard monitoring and limited actions.

Access Control Architecture

Access permissions are enforced end-to-end, from the database layer all the way to the frontend interface. Every user action is validated against rules to ensure consistent, secure behavior.

User Lifecycle & Expiration

- Optional expiration dates for Manager and Basic accounts;
- Automatic deactivation upon reaching expiration;
- Easy renewal or extension by Admins.

Audit & Logs

- Complete logging of all user login events;
- Visibility into user access patterns for operational security.

A secure foundation that keeps access simple, controlled, and reliable across your operations.



Industries & Use Cases

RAHVA is designed for diverse industrial environments.

Industries

- Food Processing
- Dairy
- Pharmaceutical
- Textile
- Printing
- Oil & Gas
- Automotive
- Metal & Mining

Use-Cases

- Real-time machine monitoring
- Predictive maintenance foundations
- Production performance analysis
- Quality and process visibility
- Operator performance tracking



Food Processing



Pharmaceutical



Packaging



Dairy



Textile



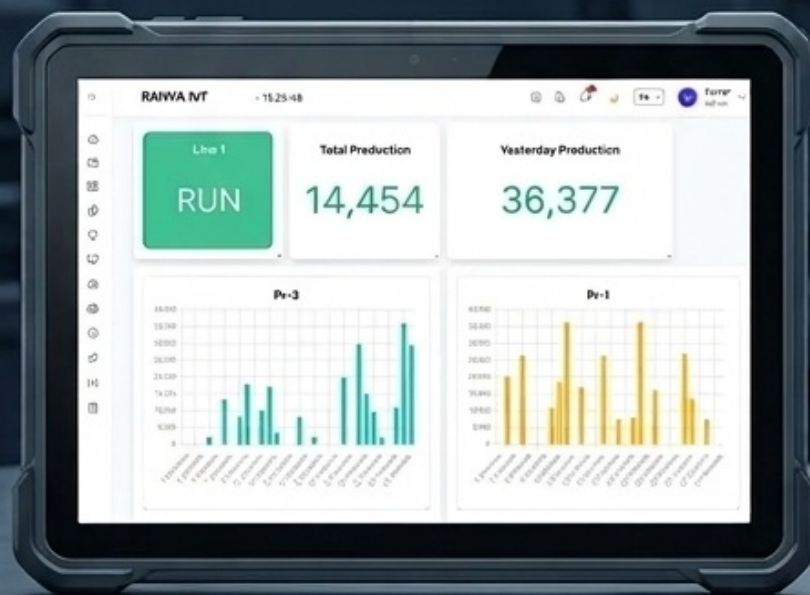
Printing



Oil & Gas



Automotive



Technical Specifications

RAHVA is engineered with a modern, modular architecture built for performance, scalability, and industrial reliability.

Deployment Options

- Fully cloud-hosted
- On-premises deployment for isolated or secure environments
- Hybrid architecture combining local gateways with cloud services

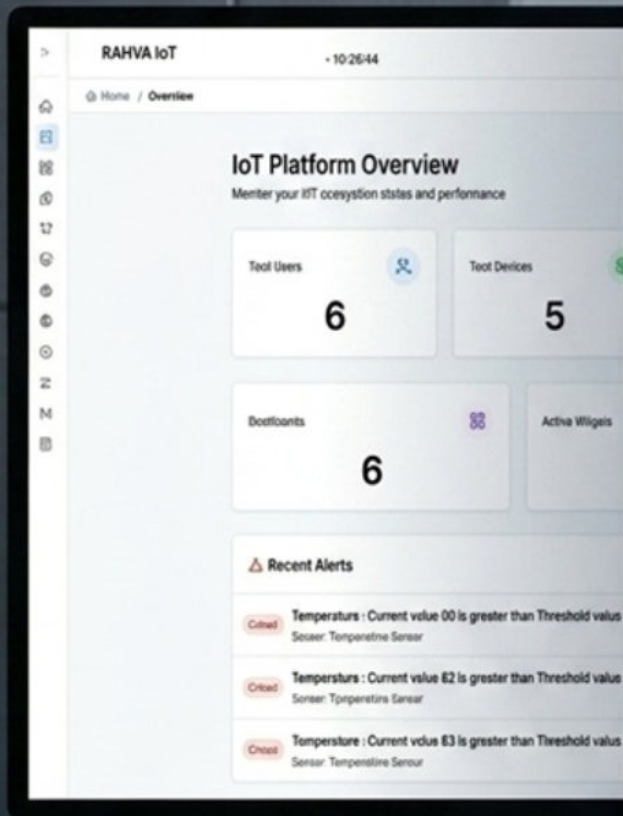
Core Architecture

- Modular, containerized service structure for clean updates and isolated components
- Optimized database schema designed for fast queries and high-volume industrial data
- Solid, high-performance backend with efficient APIs and scalable micro-services
- Frontend with rich UI capabilities including dynamic dashboards, multi-widget layouts, and smooth real-time visualizations
- End-to-end access control enforced from database to frontend



Call to Action

Experience real industrial intelligence.



Request a Demo

See how RAHVA can improve uptime, productivity, and operational visibility across your factory.

Contact Us



Website

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