



Integrated Automation and Control Solution

Our smart factory platform offers a range of packaged solutions for optimized factory automation, ensuring a smooth and reliable experience from installation to operation.

By harnessing data from individual equipment and inter-equipment processes, our integrated solution streamlines production management, equipment maintenance, and real-time monitoring. With instant processing capabilities, it helps customers make better use of their resources and achieve maximum operational efficiency.



Warehouse Management System

Field-oriented Optimized service



What does it do?

The Warehouse Management System (WMS) is designed to efficiently manage and organize all activities within a warehouse.

WMS automates and optimizes operations such as receiving, shipping, inventory management, picking, packing, and delivery.

Developed on **ezieco**, a robust platform **self-developed** by aim Systems,
providing a **business-optimized environment while minimizing implementation risks**

**Vue.js**
Fast and secure **Vue.js** framework



- Built on the Vue.js (JavaScript Framework), this ecosystem serves as a flexible, scalable framework designed to handle common functionalities. Its architecture supports incremental adoption and gradual development.

**GitLab**
Cloud **aimPlatform** service



- The R&D Center focuses on applying web-based technologies to keep pace with the rapid evolution and release of IT technologies and devices.
- Through research into key IT technologies, the aim Cloud-based platform is designed to enable enhanced functionality and improved productivity.

**Configuration management / deployment**

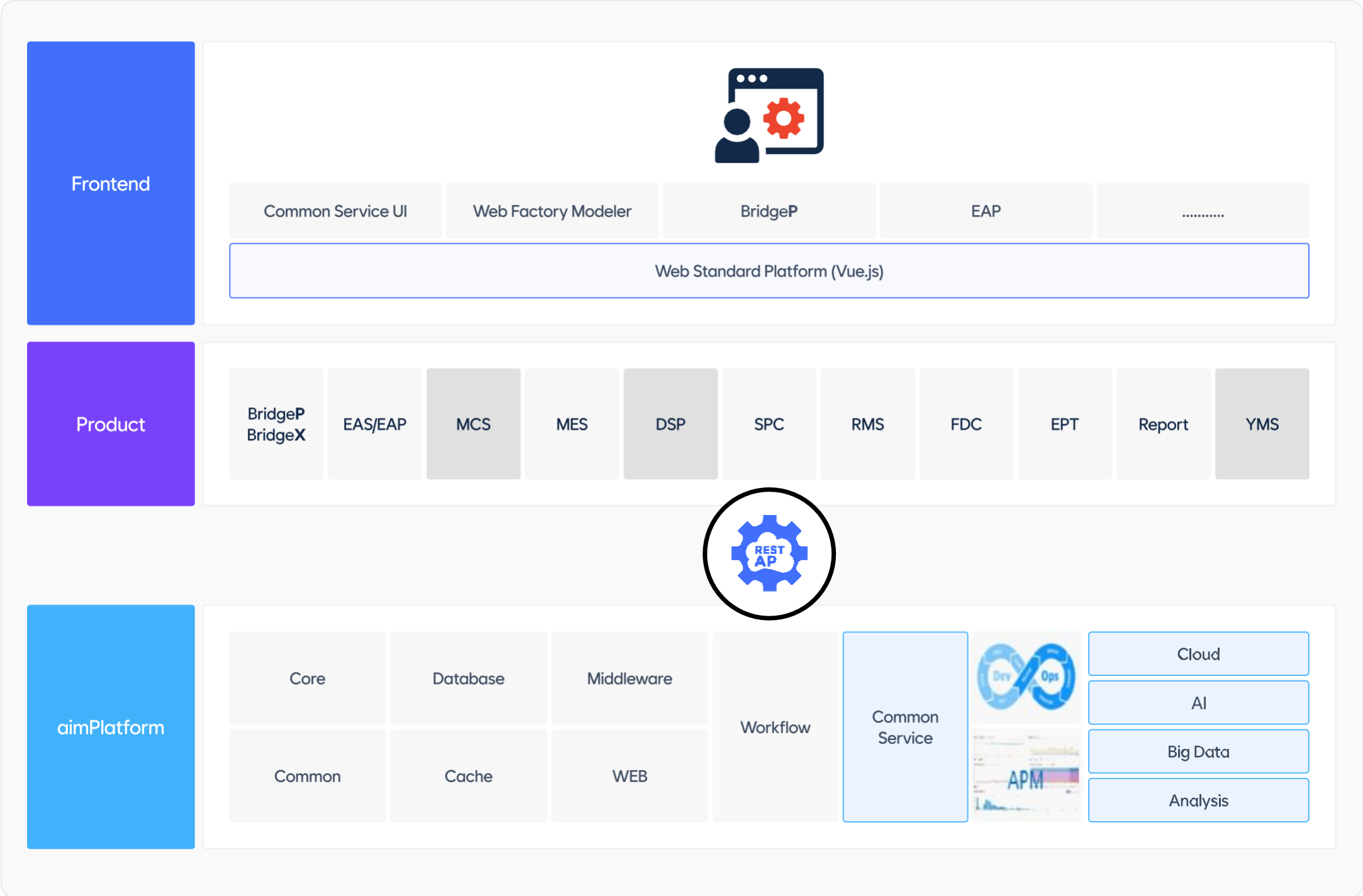


- Supports version changes by reviewing and confirming changes to source files, documents, and components through fundamental principles, strategies, and technologies used to ensure convenient development and maintain the environment.

A Full Stack Framework and DevOps infrastructure **ensure continuity and consistency across all stages, from development to operation.**

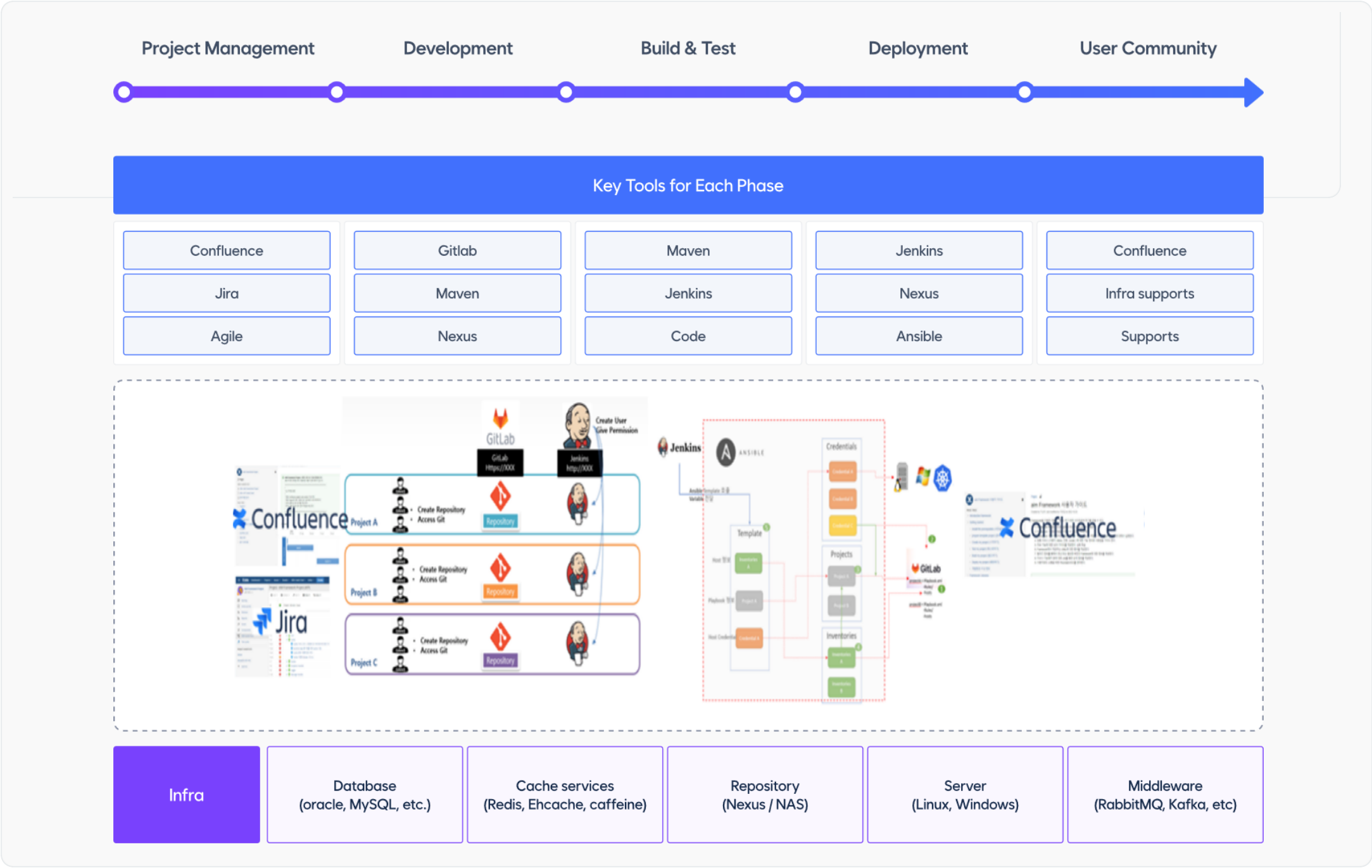
Provides front-end and back-end frameworks

- Provides universal back-end framework and web-standard framework for front-end development.



Utilizes standardized infrastructure to support DevOps processes

- Offers a consolidated infrastructure for planning, development, deployment, and testing operations.



Responsive web-based UI/UX development designed with a focus on practicality and user convenience



Field-oriented Optimized service

01 Warehouse management

Defining the physical layout of warehouses and logistics centers

- Define and map in detail the physical layout of warehouses and logistics centers within the system as needed

02 Warehouse processes

The Flow Designer to manage all logistics flows within the warehouse

- Design unique warehouse processes tailored to specific process needs

03 Materials data management

Registration of material information and specifications using hierarchical classification (Material Class → Material Type → Material)

- Integrate with ERP/MES/QMS systems using interface solutions for stable WMS operations enabled through by real-time data synchronization

04 User management

Permission management by user and user group

- Features solutions for managing menus, accounts, and permissions

05 Strategy-based storage & allocation

Direct storage based on predefined storage logic for each product type

- Execute storage tasks following predefined logic

06 Inbound management

Configure different inbound processes for different processes

- Handle all types of inbound operations using diverse mechanisms

07 Inspections (inbound and outbound)

Customize inspection processes to fit specific workflows

- Identify issues or anomalies during inspections and generate alerts or notifications for timely responses

08

Material movement management

Real-time tracking and management of material movements

- Enjoy robust inventory control with lot and product traceability

09

Picking list management

Allocate inventory based on predefined allocation logic, supporting FIFO (First-In-First-Out) strategies

- **FIFO** : First In, First Out
- **FEFO** : First Expired, First Out
- **LIFO** : Last In, First Out
- **LEFO** : Last Expired First Out, and various other Picking methods

10

Outbound management

Configure different outbound workflows tailored to specific process needs

- The outbound feature helps manage the physical outbound processing of products from the warehouse

11

Inventory management

Enhance inventory management through detailed attribute systems

- Achieve better inventory consistency and visibility through granular attribute tracking and inventory audits

12

Dashboard

Track KPIs with customizable widgets and templates for personalized service



Real time

Monitoring of real-time operational statuses and conditions



Alarm& Notification

Alerts for warnings or faults



Report

Dashboard reporting of production status, defects, and KPIs



Customizing

User-friendly screen layout and optimized dashboard display control