

One suite, all connected

Infinite Industrial Automation (IIA) is a suite of applications for automated industrial environments that enables real-time monitoring, recipe design and management, local operational control, secure remote access, and centralized administration of users, servers, and permissions.

IIA combines local applications installed on each system's server with mobile applications, keeping critical operations within the client's environment while extending access and visibility beyond the plant floor.



Infinite HMI (I-HMI): primary monitoring and control interface for the industrial system. It displays the status of the robot, peripherals, process logic, alarms, and indicators, as well as the real-time operation of the system during production.



Infinite Recipe Designer (I-RD): It is the application for securely designing and adjusting production recipes, reducing downtime and avoiding exclusive reliance on automation specialists for routine changes.



Infinite Apps Monitor (I-AM): Operations center for managing components installed on the server, providing visibility into service status and the capability for rapid intervention in the event of incidents.

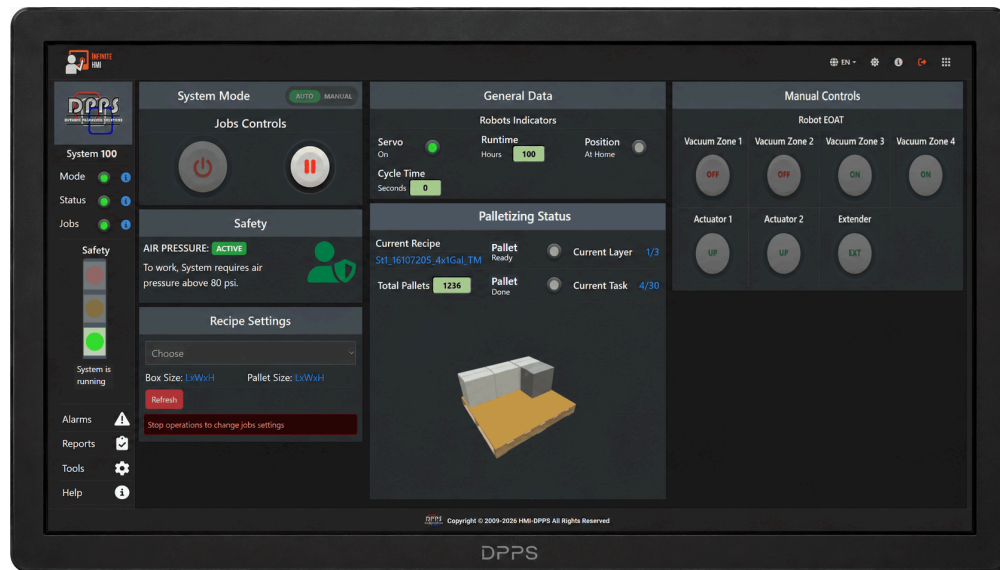
The suite comprises two environments accessible to the client:

- Local environment: web applications installed on the server of each industrial system.
- Remote environment: mobile applications enabling secure remote access and management via a virtual private network.

In addition, internal services connect and support operations between these two environments, specifically handling authentication, authorization, data exposure, and the secure bridge to local servers.

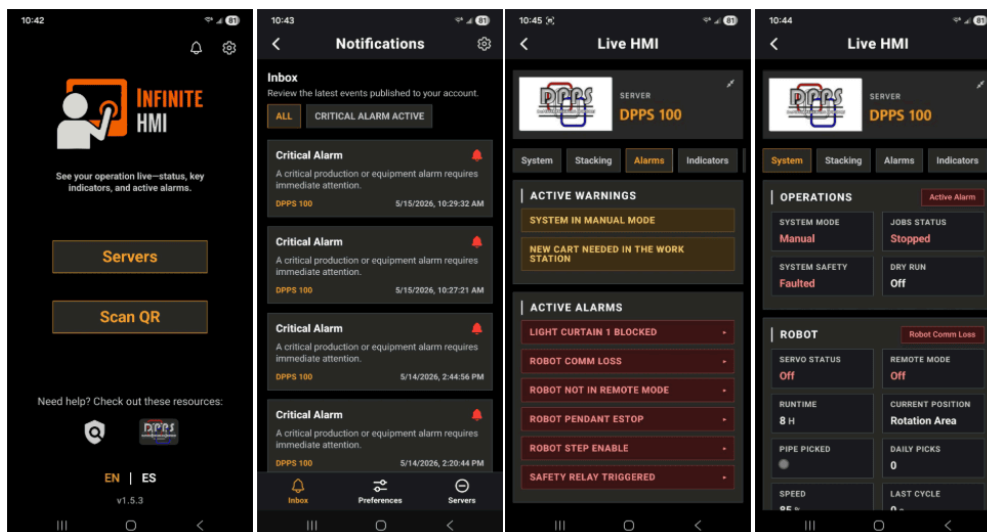
Infinite HMI

Local Environment with IHMI Web dashboard for full monitoring and system control.



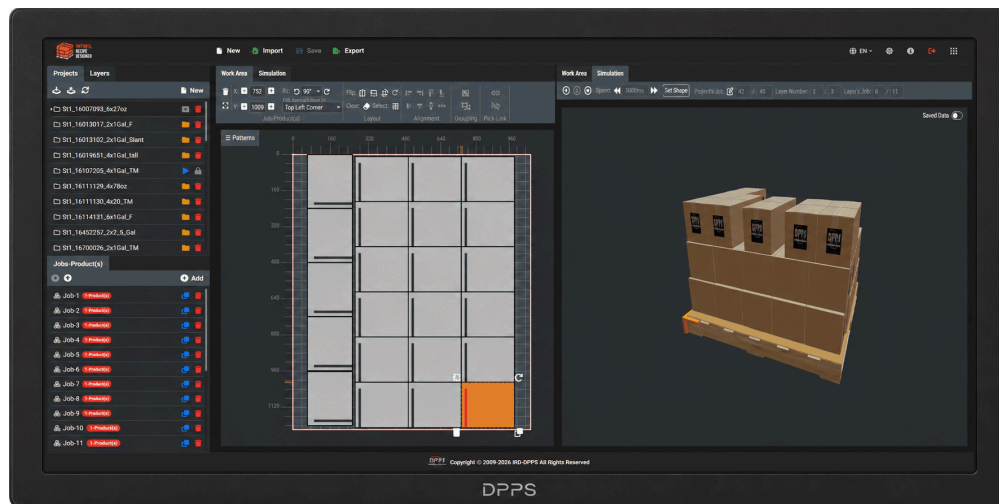
An advanced HMI interface for real-time industrial system monitoring, providing access to status, alarms, and key operational data. It serves as the primary operational view within the local server. Additionally, it saves the selected recipe to the database so that other applications can identify what is currently active in production.

Remote Environment with IHMI Mobile just for real-time monitoring



Infinite Recipe Designer

Local Environment with IRD Web

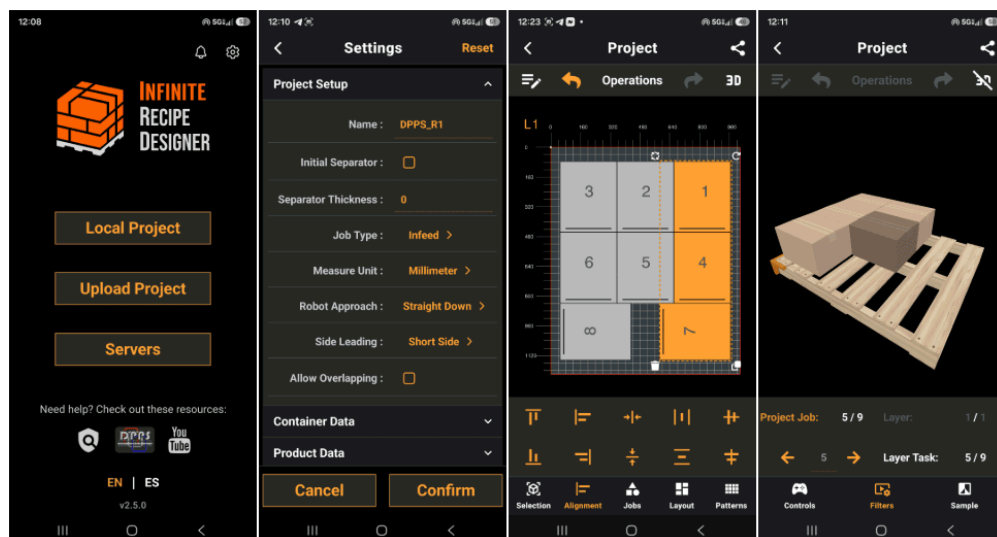


A design and simulation environment for building, editing, verifying, and deploying production recipes for robotic palletizing or stacking and related workflows.

- Build and simulate production recipes with precision.
- Preview project layers and product placement before live use.
- Edit, verify, and deploy recipe designs on the go.
- Helps coordinate recipe changes without losing process control.

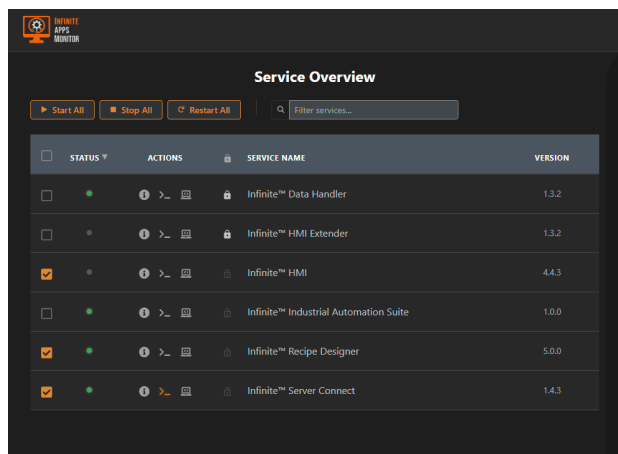
Each recipe is stored in the system's local database and can only be edited when it is not in use by the production process. I-RD allows authorized users to modify recipes without halting system operation, provided the recipe is not active.

Remote Environment with IRD Mobile accessible from iOS and Android devices



Infinite Apps Monitor

Accessible from the **local environment only**. It is the application that allows for the monitoring and management of services and applications installed on the system server.



Its function is to help the local user view active services, stop or restart them, and troubleshoot operational issues without directly accessing the server's operating system.

Ensures service continuity and provides troubleshooting support.

API Local Services:

- Infinite Data Handler (I-DH) is the service responsible for managing the system's local database. It is used for queries, importing, exporting, and direct operations on server data—particularly recipes and other internal records—keeping system information organized, accessible, and controlled.
- Infinite Server Connect (I-SC) serves as the technical gateway for requests sent from mobile apps to the local server. It validates authorized access, orchestrates requests, and connects to either I-HMI Extender or I-DH depending on the request's requirements, securely and controllably linking the mobile environment with local industrial systems.
- Infinite HMI Extender (I-HMI Extender) is an internal, read-only service that exposes an extended version of I-HMI operational data. It does not allow system modifications; instead, it publishes data for consumption by other applications, particularly those operating remotely, providing real-time operational information without compromising system integrity.



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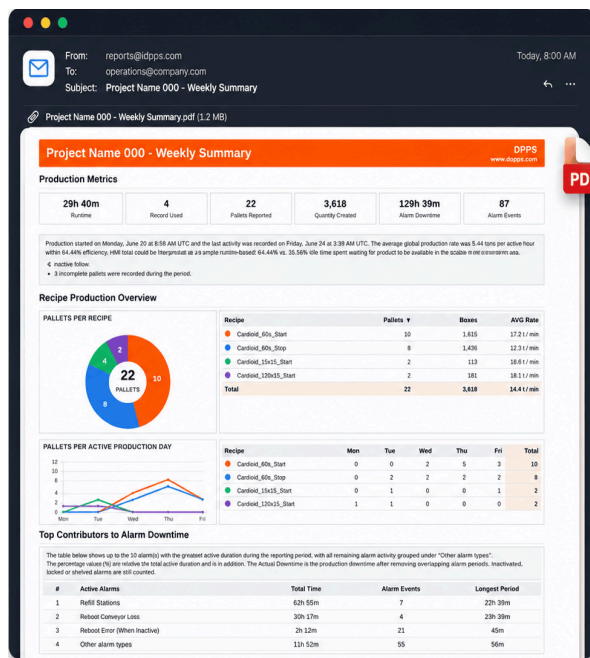


Mobile Apps and Weekly Email Report

Built for operators and supervisors who need live operational visibility without being tied to a workstation.

- **Faster awareness:** Critical events are visible from the pocket interface, helping teams see production or equipment issues immediately.
- **Broader floor coverage:** Web and mobile views extend visibility beyond the control room and into day-to-day plant operations.
- **Better response:** Status, alarms, and indicators give teams the context needed to respond with more confidence.
- **Deployment readiness:** Set up recipe projects, review simulation of your design and push or transfer validated changes with greater speed and consistency among systems.

It helps people stay aware, react earlier, and stay connected to operations even when they are away from the main workstation.



Receive a clear, actionable weekly summary of your industrial operation's performance. This report consolidates key production data to provide a quick overview of progress, variances against expectations, and events that impacted performance during the week.

With this report, you can identify trends, detect deviations early, and make decisions with greater confidence—all without having to check multiple screens or scattered records. It is an ideal tool for supervisors, plant managers, and management teams requiring real visibility into operational performance.



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Secure by Design. Evolving Always

At DPPS, Infinite Industrial Automation is not a fixed product – it is a continuously evolving platform. We keep improving functionality, visibility, and usability so our customers can operate with greater confidence over time. And through every new capability we add, one principle remains unchanged: system security is a priority in every solution we design, deploy, and support.

Partner with DPPS Beyond Deployment

Contact our team

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