

YUNJI COMMERCIAL CLEANING

Clean Smarter. Operate Better.



YUNJI UP C40

4-in-1 Autonomous Commercial Cleaning Robot

One Robot. More Cleaning. Less Management.



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FAQ

Cleaning, operation and maintenance



A woman in a grey uniform and blue gloves is mopping a shiny floor in a modern office hallway. A blue cleaning cart with a mop bucket is next to her. A yellow 'CAUTION WET FLOOR' sign is in the foreground.

Commercial Cleaning Has to Do
More with Less.

THE CHALLENGE



WORKFORCE PRESSURE

Labor shortages, rising labor costs and high turnover make cleaning operations harder to sustain.



CONSISTENCY

Cleaning standards can vary across people, shifts and long operating hours.



EFFICIENCY

Manual workflows can lead to missed areas, uneven results and low equipment utilization.



TRAINING & MAINTENANCE

Training takes time, while complex equipment can increase the burden on onsite teams.



DATA & INTEGRATION

Without connected data, cleaning performance is difficult to visualize, track and optimize.

THE YUNJI UP C40 SOLUTION

A Smarter Way to Run Everyday Cleaning.

Automate the work. Standardize the process.
Make cleaning visible.



Four Ways to Clean. One Robot.

Scrub. Sweep. Dust Mop. Vacuum.

YUNJI UP C40 brings four everyday floor-cleaning functions into one machine, helping businesses cover different cleaning tasks without managing multiple devices.



Scrub



Dust Mop



Sweep



Vacuum

WHAT IT CLEANS

Wet Stains



Dry Debris



Deploy from Anywhere.

Remote setup and task management help reduce onsite workload.

Authorized users can remotely operate the robot for mapping and task setup, helping shorten deployment time and reduce unnecessary onsite travel.

-  Faster Deployment
-  Fewer Onsite Visits
-  Lower Deployment & Travel Cost



Overview

Tasks

Map

Scheduler

Service Center

Admin

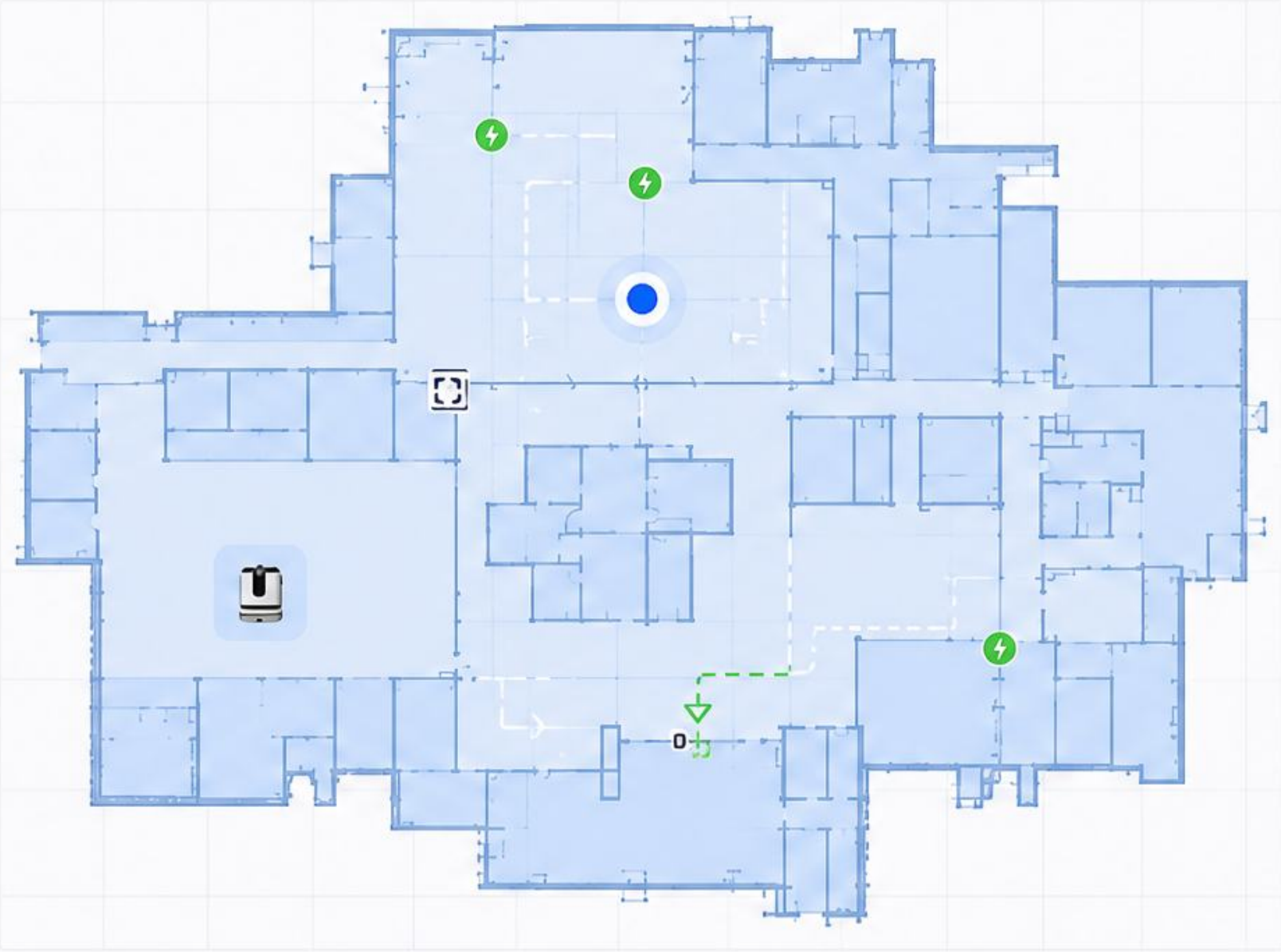
Map

Building A - 1F

Map up to date

Map Edit

Start Task



 C40-02
Charging 80%

Total Area
12,580 m²

Cleaned Area
10,256 m²

Duration
2.5 h

Remote Site Scanning

Remote Mapping

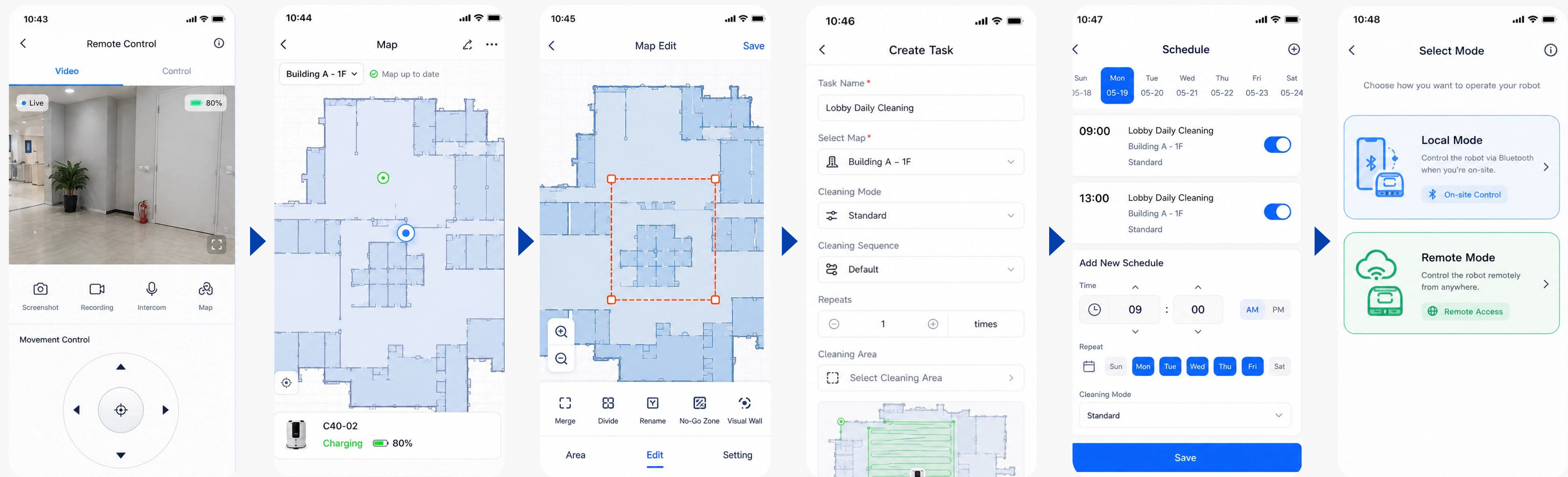
Map Editing

Task Creation & Editing

Scheduled Tasks

Local & Remote App Modes

From Mapping to Cleaning — Remotely.



YUNJI UP C40 supports both local and remote app operation. Remote mapping and task setup can be completed without manually pushing the robot through the site.



The robot can respond to obstacles while being remotely operated for mapping.

Support more sites with less dependence on onsite engineering.

Navigate with Confidence in Dynamic Spaces.

Camera, ultrasonic sensors and radar work together to support stable localization, route planning and dynamic obstacle avoidance in changing indoor environments.



Camera



Ultrasonic Sensors



Radar

STABLE LOCALIZATION
DYNAMIC OBSTACLE AVOIDANCE
RESPONSIVE PLANNING



Camera

Ultrasonic

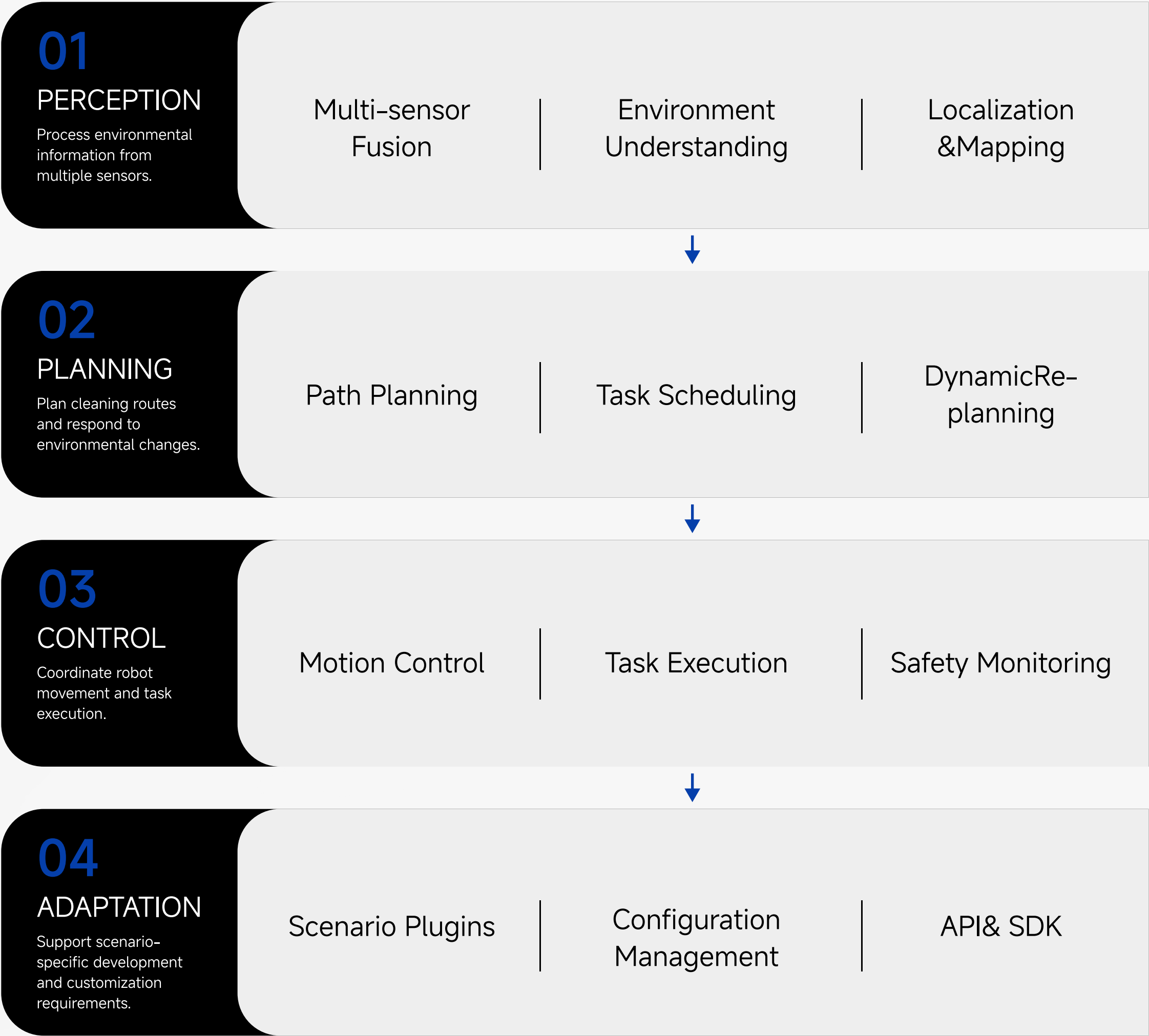
Radar

FULL-STACK SOFTWARE

Built to Adapt.

A flexible software architecture for different deployment needs.

YUNJI UP C40 is powered by self-developed software and algorithms designed for flexible adaptation across different application requirements.



Keep the Task Moving.

Resume unfinished work. Return for missed areas.

BREAKPOINT RESUME

After returning for charging, clean-water refill or wastewater drainage, YUNJI UP C40 can continue an unfinished task without requiring a manual restart.

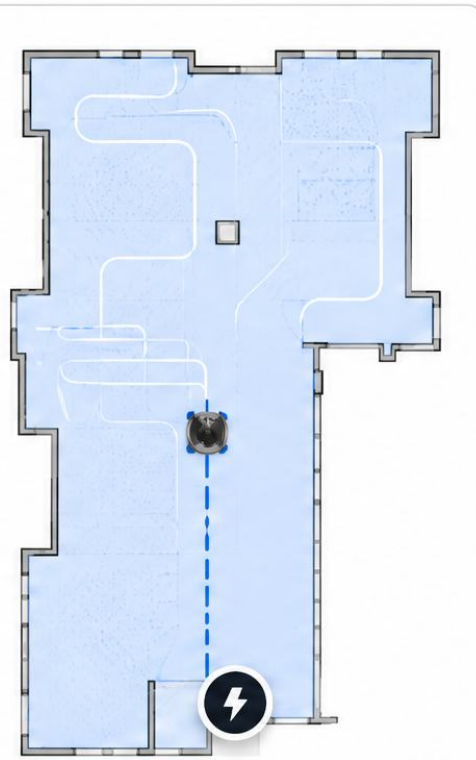
Clean

Return

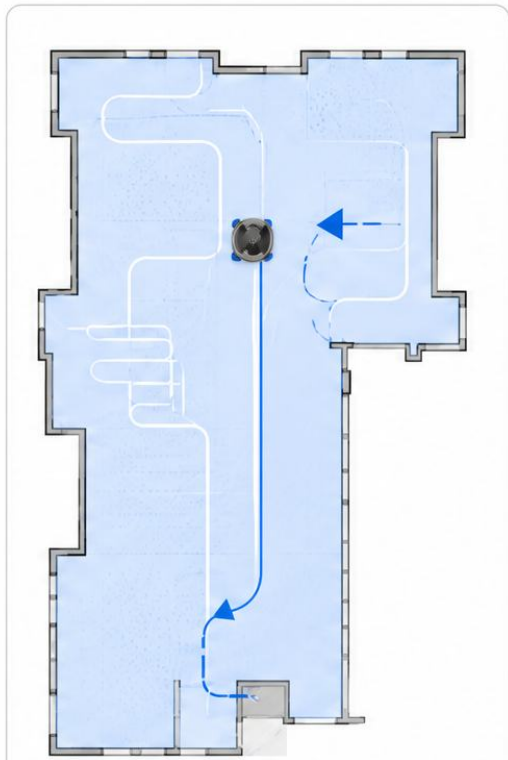
Resume



Clean



Return



Resume

Less Manual Intervention

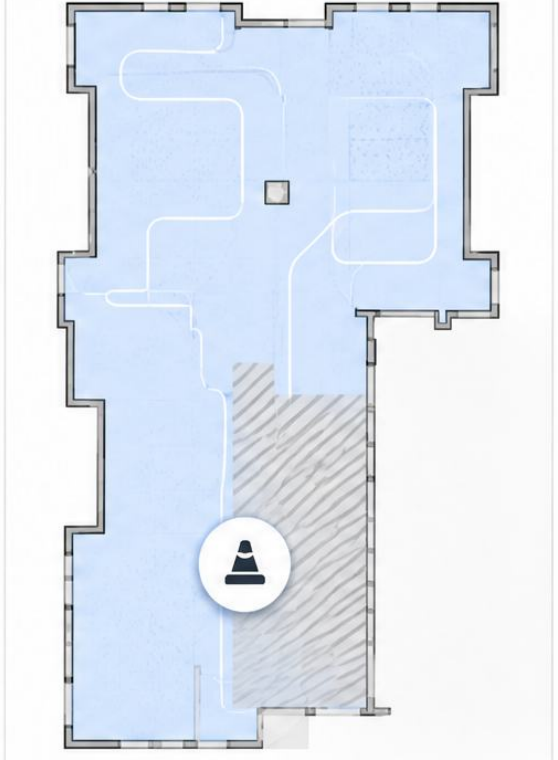
MISSED-AREA RECLEANING

If a temporary obstacle prevents access to part of the cleaning route, the robot can return to the missed area after completing other accessible zones.

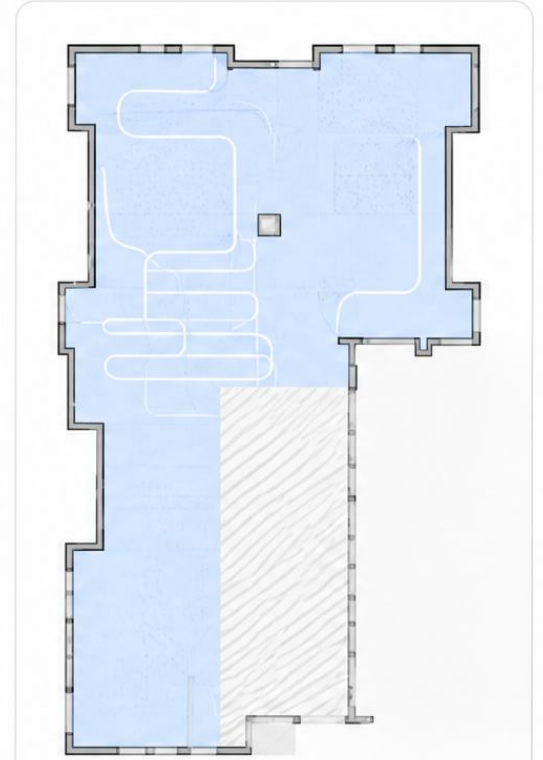
Obstacle

Missed

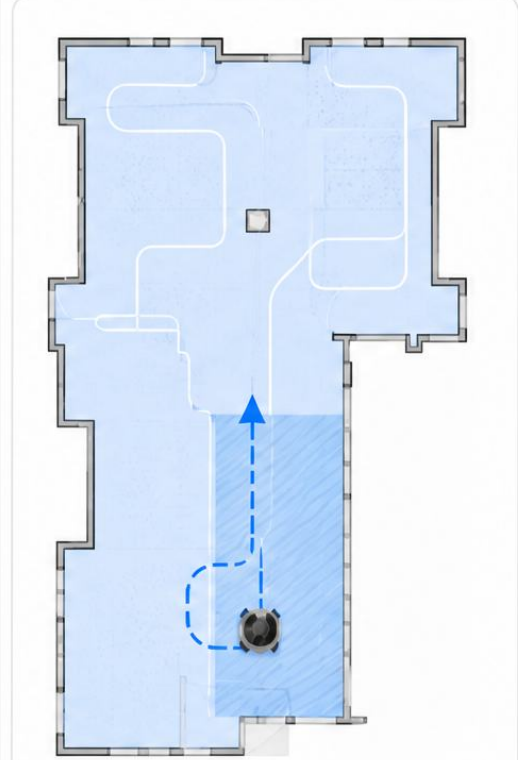
Recleaned



Obstacle



Missed



Recleaned

More Complete Coverage

Higher Task Efficiency

05 / AUTOMATIC SERVICE STATION

Stay Ready for the Next Task.

Essential replenishment, handled automatically.

YUNJI UP C40 monitors battery, clean-water and wastewater levels and can return to the service station when replenishment is required.

AUTOMATIC
CHARGING

CLEAN-WATER
REFILL

WASTEWATER
DRAINAGE



Reduce routine manual handling and support extended autonomous operation.



1 Service Station



2 Return to Station

Designed for Longer
Unattended Operation.

Installation Diagram



Routine maintenance remains required to keep the robot in optimal operating condition.

06 / MULTI-FLOOR OPERATION

01 AUTOMATIC STATUS MONITORING

Battery, clean-water and wastewater levels are monitored automatically.



BATTERY STATUS



CLEAN-WATER LEVEL



WASTEWATER LEVEL

02 HIGH-PRESSURE WATER GUN

The service station includes a manual high-pressure water gun for routine wastewater-tank cleaning.



One Robot. Multiple Floors.

One-touch mode switching for easier daily operation.

With compatible elevator integration, YUNJI UP C40 can move between floors and continue assigned cleaning tasks across connected areas.

More Coverage per Robot

Less Manual Transportation

Continuous Multi-floor Cleaning

3F

Continue
>>

2F

Continue
>>

1F

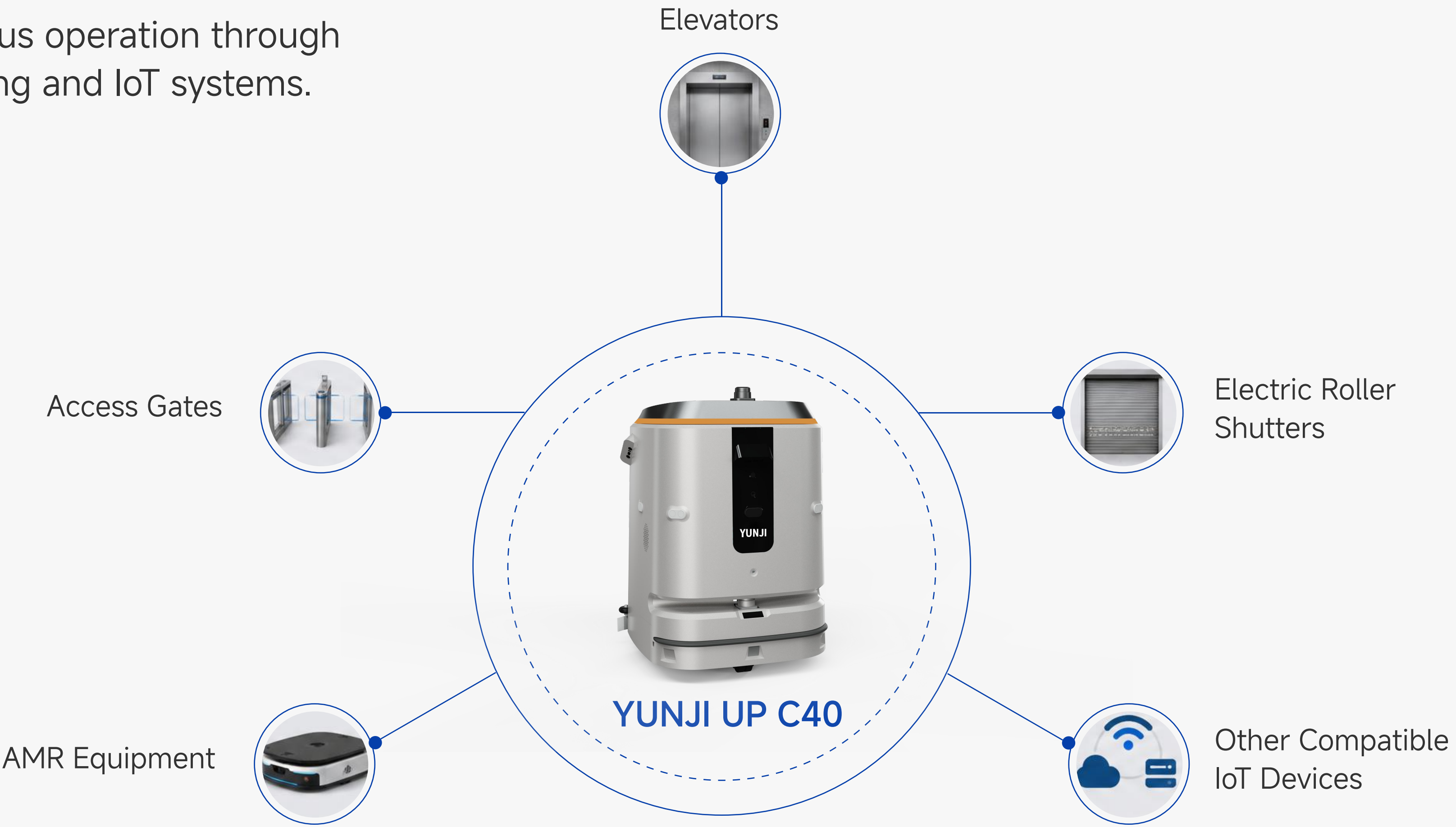
Lobby
Cleaning
>>

06 / MULTI-FLOOR OPERATION



Connect Cleaning with the Building.

Extend autonomous operation through compatible building and IoT systems.

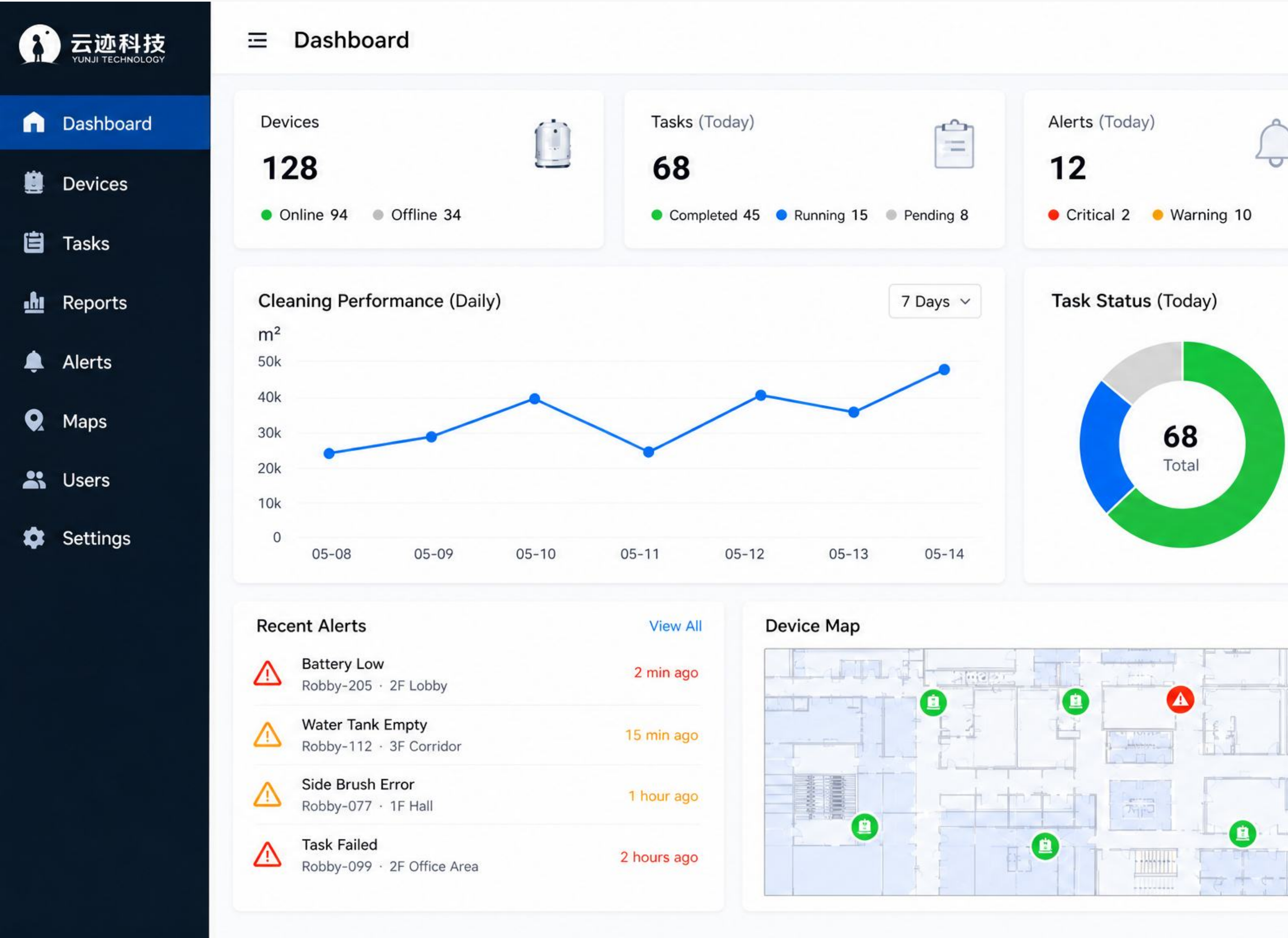


Note:Third-party coordination and installation may be required depending on the site.

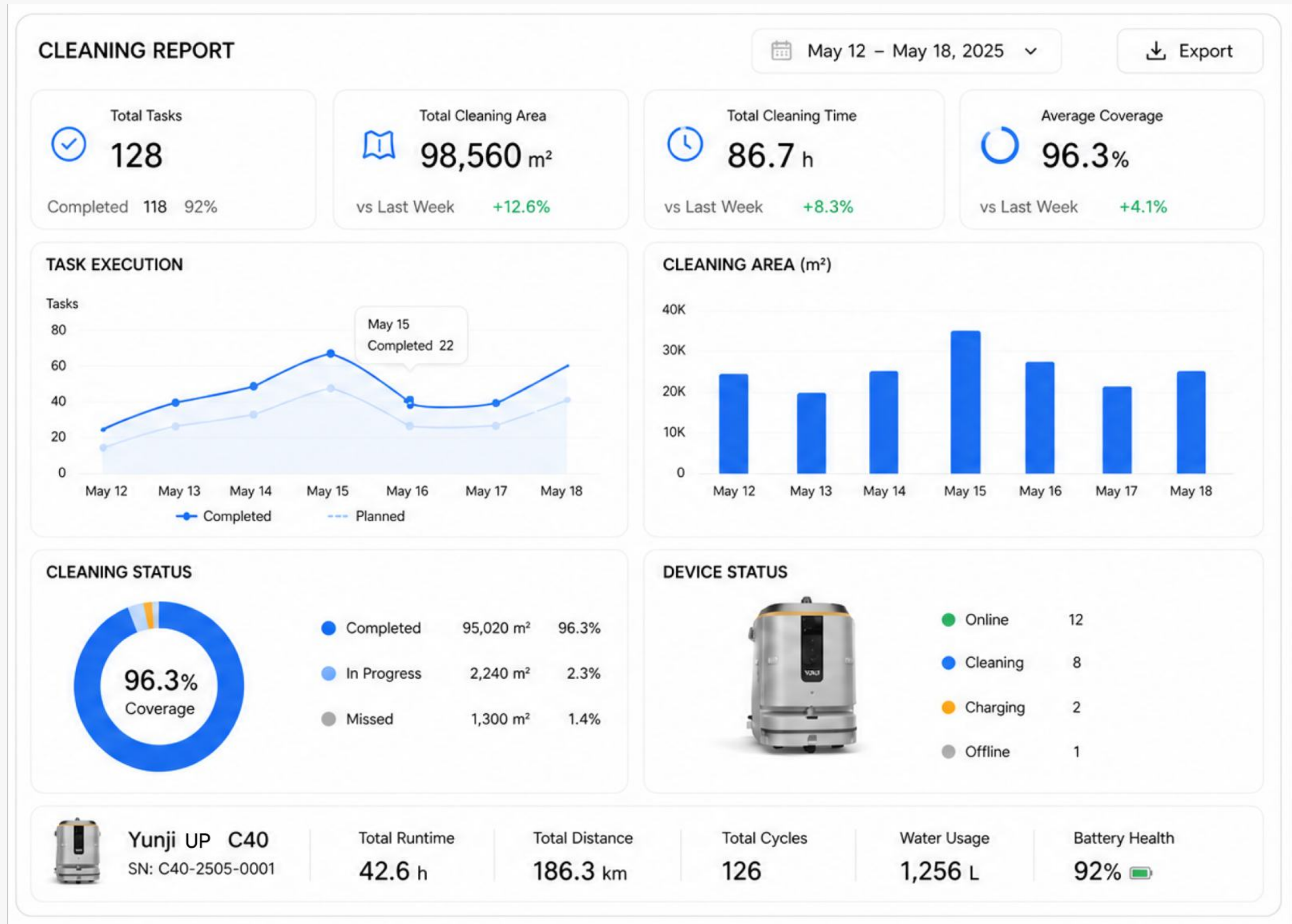
Clean Smarter. Manage Smarter.

Bring users, tasks, devices and operational data into one management platform.

- FAULT ALERTS
- DATA & REPORTS
- USER MANAGEMENT
- INTEGRATED TASK SCHEDULING

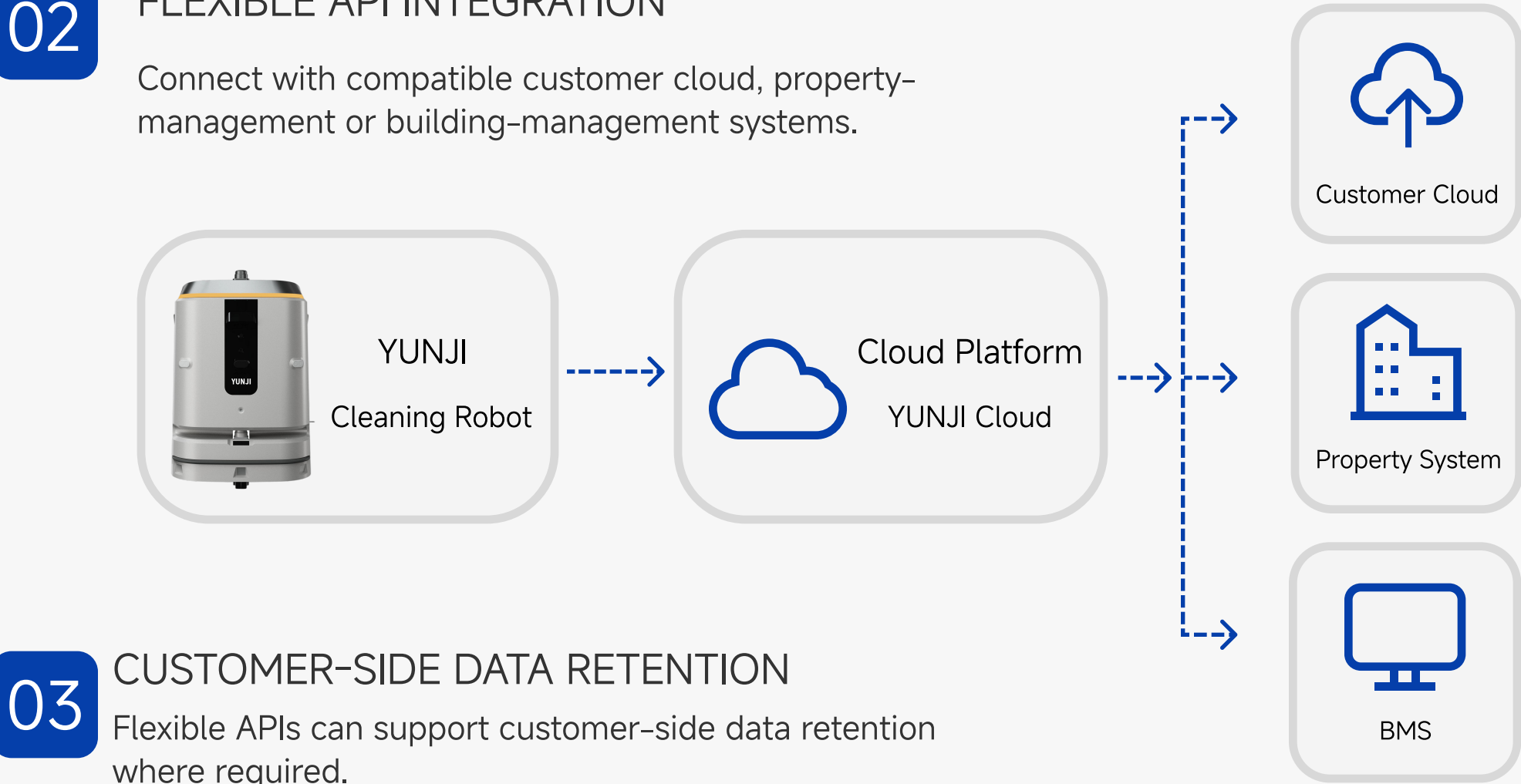


Turn Cleaning Data into Better Operations.

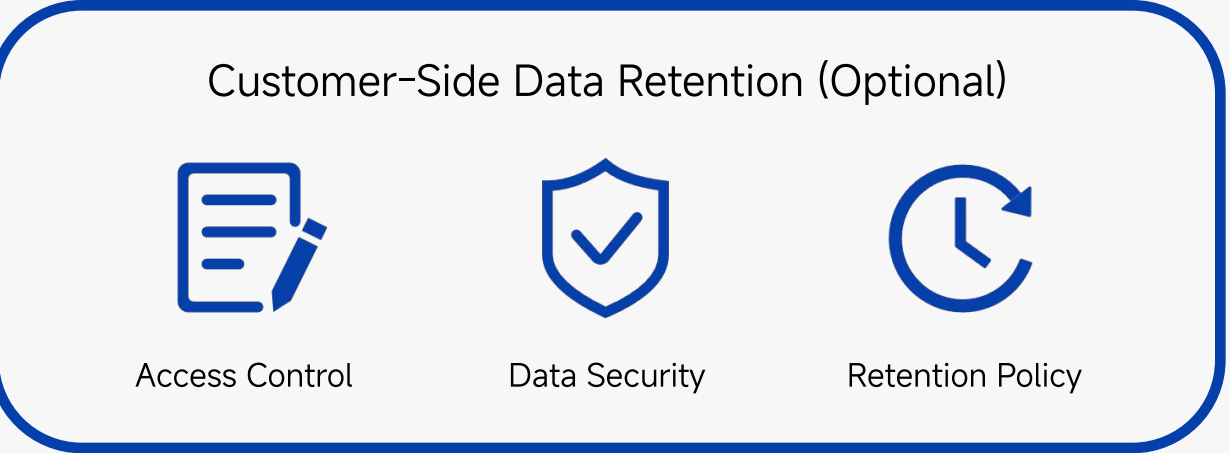


01 OPERATIONAL VISIBILITY
Cleaning data can be visualized and reviewed to support day-to-day operational management.

02 FLEXIBLE API INTEGRATION
Connect with compatible customer cloud, property-management or building-management systems.



03 CUSTOMER-SIDE DATA RETENTION
Flexible APIs can support customer-side data retention where required.



Simple to Operate. Easier to Maintain.

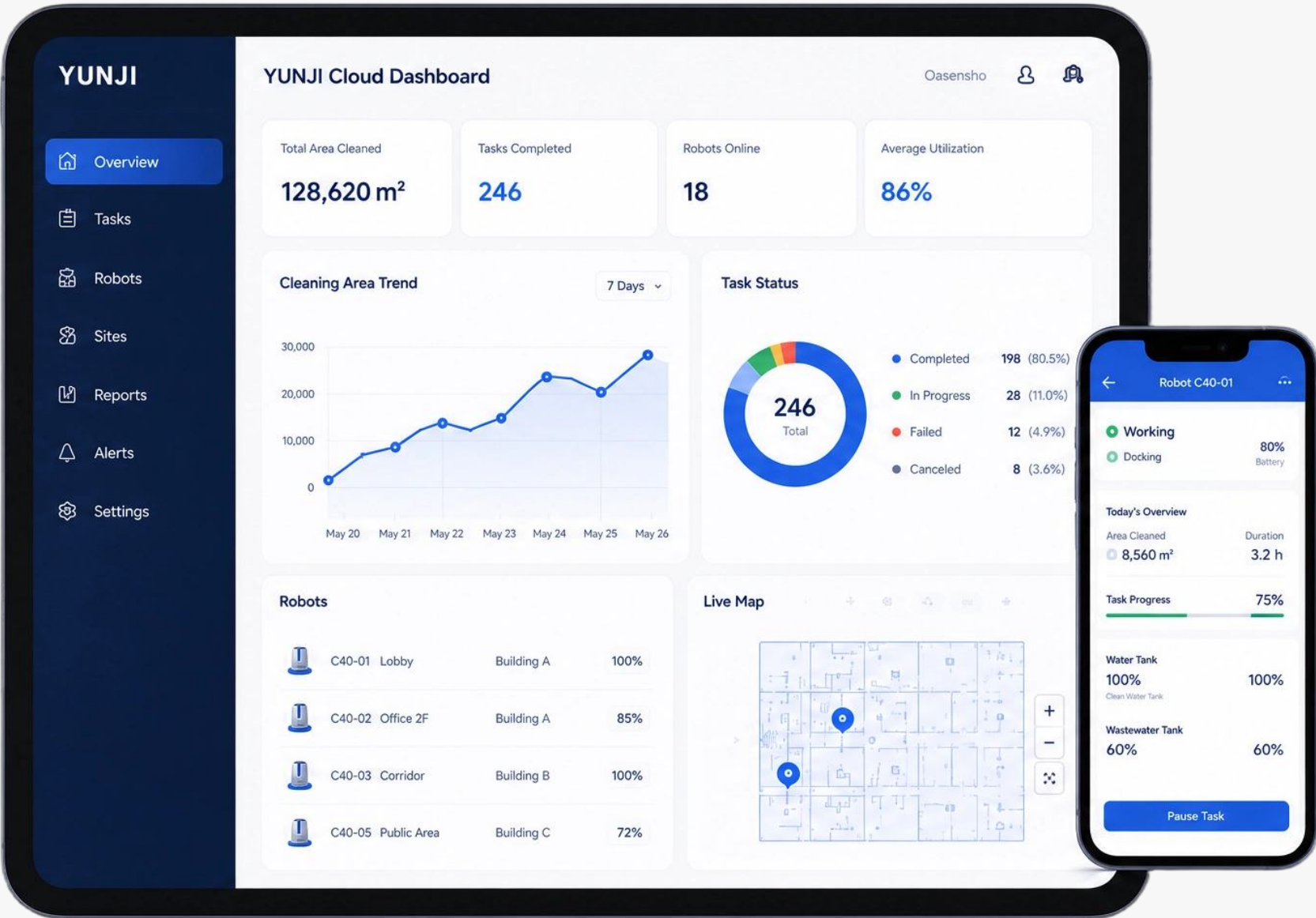
01 MODULAR DESIGN
Key functional modules are designed for easier removal and replacement.



02 INTUITIVE INTERFACE
A user-friendly interface helps shorten learning and training time.

03 OTA UPDATES
Software and firmware can be updated remotely.

04 REMOTE SUPPORT
Remote maintenance capabilities help support distributed deployments.



Shorter Training



Less Downtime



Lower Maintenance Complexity

APPLICATIONS

Built for Commercial & Industrial Spaces.

YUNJI UP C40 is designed for routine indoor floor cleaning across a wide range of commercial environments.



Shopping Centers

Supermarkets

Schools

Gyms

Airports

Stations

Offices

Hospitals

Hotels

Stadiums

Factories & Workshops

Residential Properties

The Right Capabilities for Different Environments.

YUNJI UP C40 capabilities can be applied differently depending on the operating environment.

CAPABILITIES	ShoppingCenter	Supermarket	Office Building	Hotel	Transportation Hub	Hospital	Residential Property	Stadium	Factory & Workshop
4-in-1 Cleaning & One-Touch Switching	●	●	●	●					●
Local & Remote Operation	●								●
Navigation & Intelligent Control	●	●			●	●	●		
Breakpoint Resume & Missed-Area Recleaning	●			●		●			
Automatic Charging/Water Refill / Drainage	●	●	●	●	●	●	●	●	●
Elevator & IoT Integration	●		●	●		●			
Cloud Management	●	●	●	●	●	●	●	●	●
Modular Design	●	●	●	●	●	●	●	●	●

PRODUCT INFORMATION

Key Product Information

Specification	Value
Recommended Application Area	Below 10,000 m ² for typical applications
Water Tank Capacity	16L
Debris Bin Capacity	1.5L
Offline Cleaning	Supported
Local App Control While Offline	Supported
Remote Operation / Log Download	Network connection required
Operating System & App	Android
Night Operation	Supported
24/7 Cleaning Capability	Supported
Maximum Unloaded Travel Slope	8°
Cleaning on Slopes	Not supported
Automatic Return Thresholds	Battery 10% / Clean water 10% / Wastewater tank 100%

FRONT VIEW

720mm

520mm

SIDE VIEW

650mm

REAR VIEW

520mm

Weight
Approx 110 kg

Min Turning Radius
650mm

Scrubbing is not suitable for carpet.

Use lower water flow on stone and tile where appropriate.

For heavier routine stains, water flow may be increased.

Recommended sequence: sweep first, then scrub.

Use neutral, low-foaming detergent.

Use an appropriate defoamer if excessive foam is generated.

Routine maintenance is required.

FREQUENTLY ASKED QUESTIONS

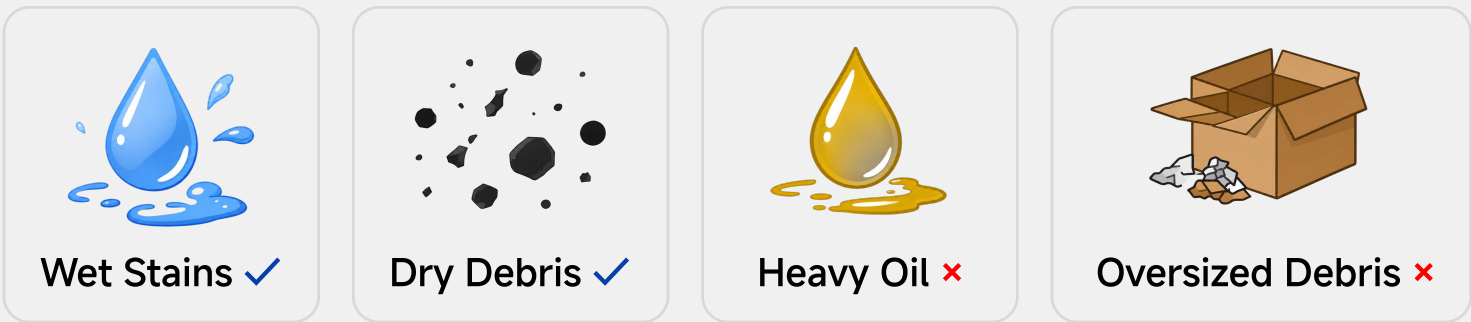
Cleaning & Application

Q01

What cleaning tasks is YUNJI UP C40 suitable for, and what is it not designed for?

YUNJI UP C40 is designed for routine floor scrubbing, sweeping, vacuuming and dust mopping. It can handle common stains such as beverage spills, water marks, condiment residue, mud and light oil contamination, as well as common dry debris including leaves, nutshells, paper scraps, screws, tea leaves, small packaging, coffee grounds, cigarette butts and hair.

It is not designed for heavy oil contamination or deep-cleaning tasks such as removing scratches or tire marks. Sweeping is not intended for oversized debris such as plastic bottles, cardboard boxes, large plants or fruit.



Q02

What size of area is YUNJI UP C40 recommended for?

YUNJI UP C40 is recommended for small- to medium-sized commercial and industrial environments, typically below 10,000 m². For larger areas, multiple YUNJI UP C40 units or UP C60 may be considered.

Q03

When does YUNJI UP C40 return to the service station?

YUNJI UP C40 automatically returns to the service station when the battery level reaches approximately 10%, the clean-water level reaches approximately 10%, or the wastewater tank reaches 100% capacity.

Q04

What should be considered when using YUNJI C40 on different floor surfaces?

Scrubbing is not suitable for carpeted surfaces. For stone and tile floors, lower water flow is recommended where appropriate; water flow may be increased when heavier routine stains are present.

For best results, sweep before scrubbing to reduce secondary contamination. When detergent is required, use a neutral, low-foaming cleaning agent. If excessive foam is generated, use an appropriate defoamer to prevent foam from entering the motor or affecting water pickup performance.



FREQUENTLY ASKED QUESTIONS

Operation & Maintenance

Q05 Can YUNJI UP C40 operate without a network connection?

Yes. YUNJI UP C40 can perform cleaning tasks without Wi-Fi or a 4G SIM card. Local app control can still be used while the robot is offline. Remote operation and log downloads require a network connection.

Q06 Which operating system and app platform does YUNJI UP C40 use?

The current operating system and app platform are Android.

Q07 Can YUNJI UP C40 operate at night?

Yes. YUNJI UP C40 supports 24/7 cleaning operation where the operating environment allows.



Q08 Can YUNJI UP C40 clean on slopes?

No. Cleaning on slopes is not supported. The robot may travel unloaded on slopes of up to 8°, subject to operating instructions.



Q09 Does YUNJI UP C40 still require routine maintenance?

Yes. Routine maintenance is required to keep the robot in optimal operating condition and support product life. The wastewater tank, filter, roller brush and debris container should be cleaned according to the maintenance instructions.

YUNJI

Ready to Experience Smarter
Commercial Cleaning?

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