

Hospital Robotics

Logistics and facility solutions.

AUTONOMOUS TRANSPORT / CONNECTED OPERATIONS / SUPPORT



Automate routine transport. Support hospital teams.

Warpify integrates autonomous mobile robots (AMRs), software and building systems for hospital logistics. We provide solution design, deployment and support, with complementary room disinfection and campus cleaning solutions.

01

Automated transport

Reduce manual transport trips with scheduled and on-demand material deliveries.

02

Traceable handover

Control access to materials and link collection, arrival and receipt to each delivery.

03

Software + integration

Connect dispatch and delivery records with hospital systems, lifts and doors.

04

Deployment + support

One partner for solution design, commissioning, team training and ongoing support.

DIRECT PURCHASE / ROBOTICS AS A SERVICE

Move materials. Maintain control.

Bring autonomous transport, secure handover and fleet coordination into one solution.

01 / MATERIAL FLOW

Reduce routine transport effort.

Move medicines, specimens and supplies between departments, with load equipment matched to each task.

- Scheduled, on-demand and multi-stop deliveries
- Secure cabinets, trolleys and transfer stations

02 / CONTROLLED HANDOVER

Control access. Confirm handover.

Restrict compartment access to authorised users and record collection, arrival and receipt.

- Authorised compartment access
- Pickup, arrival and receipt linked to each job

03 / CONNECTED OPERATIONS

Coordinate routes. Manage exceptions.

Coordinate robots with hospital routes, lifts and doors, with operator visibility and remote assistance.

- Dispatch, monitoring and remote assistance
- Automatic charging between delivery tasks

Automate collection and handover.

Connect mobile transport with secure cabinets and automated transfer stations.



Automatic cabinet transfer

AMRs collect and release cabinets at designated stations, linking preparation areas with delivery destinations.

Secure compartments

Configure compartments for each material flow, with independent access permissions and recorded handover.

01

Load + assign

Prepare the cabinet and assign a delivery job.

02

Collect

The AMR couples with the assigned cabinet.

03

Transport

Navigate the route using connected doors and lifts.

04

Deliver + confirm

Transfer the load and record handover.

Built for sterile supply and operating rooms.

Connect preparation, storage and clinical destinations with dedicated processes for clean deliveries and used-item returns.

Automate trolley transport.

Move meals, linen and bulk supplies between service areas and care departments.



01

Automated pickup

Collect and move compatible trolleys with load interfaces matched to each service.

02

Scheduled delivery

Coordinate meal rounds, linen replenishment and bulk deliveries with department schedules.

03

Defined handover

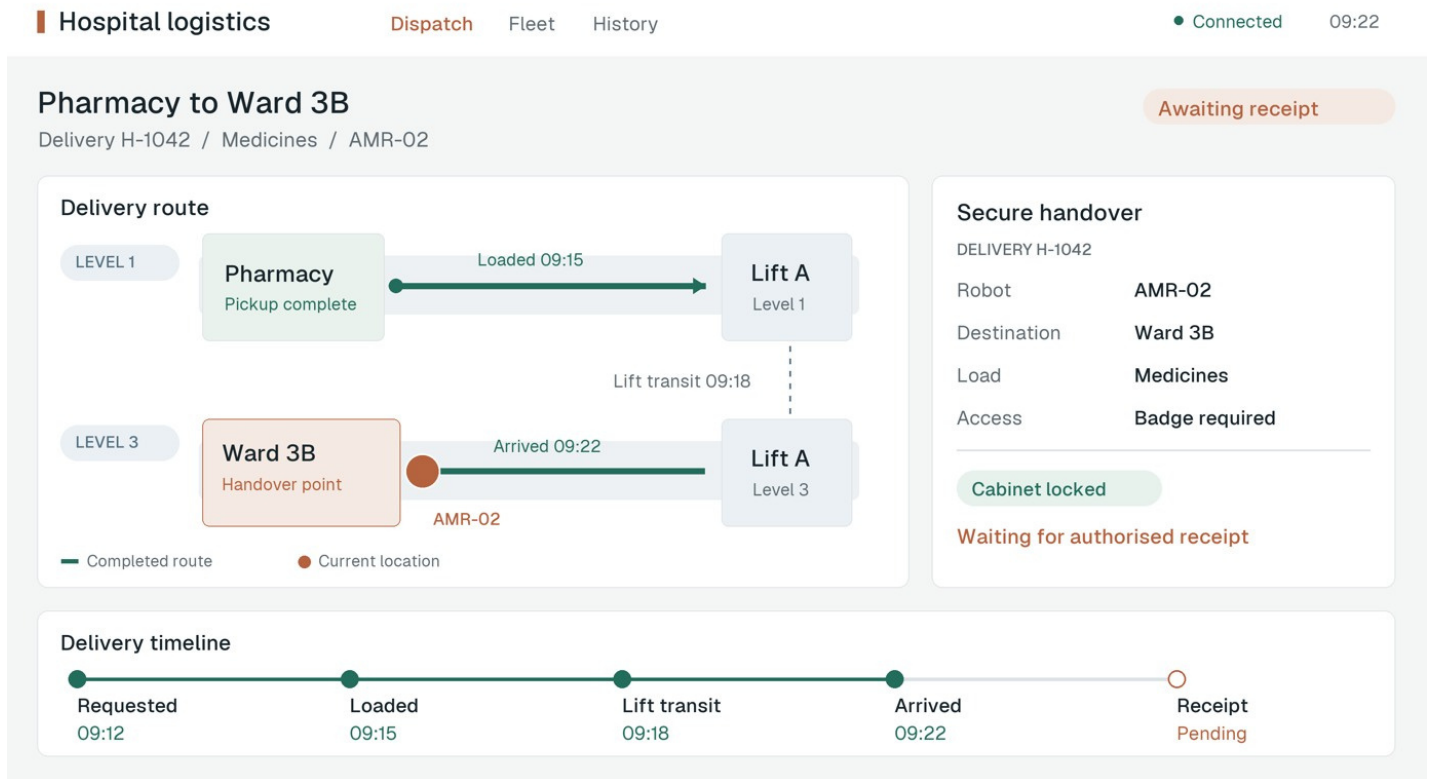
Deliver to agreed transfer points, with clear responsibilities for loading and receipt.

Keep clean and return flows separate.

Dedicated containers, routes and cleaning procedures support separation of food and clean supplies from waste and used-item returns. Schedule movements around ward activity.

Make every task visible.

Connect dispatch, delivery records and building interfaces with hospital operations.



DELIVERY WORKFLOW EXAMPLE

Request. Dispatch. Deliver. Confirm receipt. Escalate exceptions for operator review.

01

Dispatch + fleet visibility

Scheduled and on-demand tasks; live robot location, battery levels and task progress. Exception alerts prompt operator review.

03

Hospital systems

Interfaces connect hospital, supply and waste systems with delivery and handover records.

02

Building integration

Connect lifts, doors and access points. Define maps and route rules around hospital traffic.

04

Access + data controls

User permissions, event logs and remote support. Hosting and data retention are agreed with hospital IT.

Hospital logistics. Connected across departments.

AMRs for medicines, specimens, supplies and dedicated return flows.

HOSPITAL APPLICATION	WHAT THE SOLUTION ENABLES
 Pharmacy Medicines + replenishment	Secure medicine delivery with traceable receipt.
 PIVAS / IV preparation Prepared IV bags	Batch dispatch of prepared IV bags with authorised handover.
 Laboratories + blood bank Specimens + blood products	Protected carriers for specimens and blood-product transfers.
 Operating rooms Instruments + consumables	Scheduled instrument supply and controlled return flows.
 Sterile supply centre Sterile packs + used-item returns	Separate clean deliveries from used-item return flows.
 Wards, ICU + isolation Departmental supplies	Route supplies to departments with authorised handover.
 Catering + linen services Meal trolleys + clean linen	Meal and linen trolley transport aligned with delivery windows.
 Waste management Medical + general waste	Sealed, segregated transfers with collection and handover records.



Scheduled dispatch



Secure handover



Lift + door integration



Delivery traceability

Automate internal waste transport.

Reduce manual waste-transfer trips with dedicated AMRs, sealed containers and recorded handovers.



01

Collect + identify

Load segregated waste into identified smart bins.

02

Move sealed loads

Robots move closed containers on designated routes.

03

Handover + record

Log collection, transfer and receipt in the waste system.

04

Clean + return

Decontamination stations prepare handling equipment for reuse.

Collection to internal handover.

Combine dedicated AMRs, smart bins and equipment decontamination with waste-management records. Warpify integrates collection, internal transfer and return processes with your hospital procedures.

Automate scheduled room disinfection.

Coordinate mobile disinfection equipment, room access and scheduled treatment tasks.



01

Disinfection options

UV, dry-fog and combined systems, with internal and external robot disinfection options.

02

Remote support options

Audio/video communication, non-contact temperature sensing and small-item delivery for hospital support tasks.

Controlled access. Defined room release.

Run UV and dry-fog cycles in unoccupied rooms under hospital-approved procedures. Use communication and delivery functions separately from active treatment.

Aligned with infection-control procedures

Coordinate room availability, operating schedules and staff handover with your infection-control team.

A cleaner campus, on schedule.

Automate routine sweeping on hospital paths, plazas and service roads.



01 / ACCESS

Navigate shared areas

Autonomous navigation and obstacle handling for paths, courtyards and service areas.

02 / COVERAGE

Monitor tasks and coverage

Schedule cleaning routes and review progress through fleet monitoring and operator oversight.

03 / COLLECTION

Manage debris and dust

Options include sweeping, bagging, debris discharge and dust suppression.

04 / CONTINUITY

Automate service cycles

Automatic charging, water refill and debris unloading options help sustain repeated cleaning rounds.

From one workflow to wider rollout.

Start with a site assessment and a focused pilot, then scale against agreed results.

01

Assess

Map materials, routes, peak demand and handover points.

02

Configure

Align robots, software, interfaces and operating procedures.

03

Pilot

Test delivery timing, completion and staff interventions.

04

Scale + support

Commission, train teams and maintain the system as deployment expands.

Agree acceptance criteria before rollout.

Track delivery timing, completion, manual trips avoided and handover traceability. Agree separate acceptance measures for disinfection and campus cleaning.



Direct purchase

Own the system, with commissioning and training. Your proposal defines software, warranty, maintenance and support.

Robotics as a Service

Access robots, software and agreed maintenance through a recurring service plan. Your proposal sets the scope, service hours and response terms.

Start with a hospital logistics assessment.

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