GESSMANN®



GESSBOT FOR HOSPITALS

AUTONOMOUS HOSPITAL LOGISTICS

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GESSbot®

MORE TIME FOR
PATIENT CARE

The GESSbot is an autonomous mobile robot (AMR) designed specifically for hospitals and long-term care facilities. It handles manual transport tasks—autonomously, safely, reliably, and directly within the hospital's day-to-day operations. This relieves staff of time-consuming transport tasks, giving them more time for what really matters in a hospital: caring for patients.

More time for patients
Less time spent on transport by healthcare and logistics staff

Efficient & reliable transport
recurring supply runs, automated and plannable for optimized workflows

Integration into existing hospital infrastructure/buildings
Navigation through existing corridors, elevators, doors, and gates can be integrated

Safe movement between people
Reliable detection of people and obstacles; adjustment of the route based on the current traffic situation



GESSMANN

ONE SYSTEM
MANY TRANSPORTATION APPLICATIONS

MEDICATIONS
between the pharmacy, wards, and functional areas

LAUNDRY
Automate recurring supply and disposal processes

CONSUMABLES
Reliable supply to wards and departments

OTHER SERVICES
Customizable transport solutions for specialist departments

A Smart Investment in Hospital Operations

Cost-Effective
Typical payback period of 18–24 months, with the potential to reduce operating costs and increase efficiency over the long term.

Deploy Staff Resources Effectively
Automate routine trips and assign staff to more important tasks.

Scalable to Meet Your Requirements
Start with a single GESSbot and expand step by step to a fully integrated fleet for your entire healthcare facility.

Easy to Integrate
Minimal adaptation required for existing infrastructure, rapid implementation, and reliable operation for seamless hospital workflows

Technical details

Payload per shelf:	34 kg
Dimensions (L × W × H):	950 × 715 × 1720 mm
Maximum speed:	1,2m/s (4,3km/h)
Maximum gradient:	5%
Battery life:	up to 12 hours
Charging:	Automatic Charging Station
Communication:	via sound system/LED panel/display
Connectivity:	Wi-Fi, 5G (optional)
User interface:	10,1"-Touchdisplay
Operating temperature:	0–40 °C

PROVEN IN PRACTICE
ALREADY IN ACTION TODAY

GESSMANN
SLK-Kliniken

GESSbot at the SLK Hospitals in Heilbronn

Between the central pharmacy and the oncology department, the GESSbot independently transports medications in a real-world hospital setting.

In doing so, it travels across multiple floors, through public hospital areas with patients, visitors, and staff, and uses regular passenger elevators—right in the midst of ongoing hospital operations.



- 680 medication deliveries completed
- 165 km traveled autonomously within the hospital
- No Dedicated Lanes or Restricted Routes Required

"With the GESSbot, we're taking the burden off our staff when it comes to exactly these tasks. This gives our employees more time to focus on what matters most in a hospital: caring for our patients."

Stephanie Haußmann,
Managing Director of SLK-Service GmbH

Reference Project
SLK Hospitals Heilbronn

IFOHRA

IFOHRA cooperation partner
IFOHRA helps healthcare facilities identify suitable areas of application for robotics and automation and find the right technology partners.



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