

SALLY Courier

AMR for transport services

DS
AUTOMOTION



**Payload max.
50 kg /
110 lbs**



Automation in station operation

With the courier attachment, SALLY Courier handles the transport of sterile goods, documents, laboratory samples, instruments, medications and other items particularly efficiently. This relieves hospital staff of the need for delivery services, leaving them more time for important tasks.

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Automation in station operation

To ensure the safety of patients and staff at all times in the ward area, the SALLY Courier can also make its own decisions with the help of 3D cameras and our ARCOS vehicle software and thus avoid obstacles or stop in front of them.



MODULAR CABINET

Allows the transport of items of various types and sizes, such as: Instruments, medicines, small appliances, documents. Its compartments can be configured to customer specifications and are easy to clean and disinfect.

ACCESS CONTROL

SALLY Courier allows a controlled access to the transported objects. Access to the compartments is possible by authorized staff only.

SIMPLE INTERACTION

The intuitive interface enables fast communication with SALLY Courier.



EFFICIENCY

Several delivery orders can be completed in one trip, due to smart route planning.

SPONTANEOUS TRANSPORTS

When arrived at the destination, SALLY Courier is ready for more pick up transport orders. The route is optimized accordingly.

TRANSPORT STATISTICS

Controlled logistics of critical, expensive items. SALLY Courier provides information for the transports.

DIFFERENT USER LEVELS

Station staff: Each station has a separate user group.

Control room staff: Is authorized to operate a SALLY Courier on every station.

Technical Details

Payload max.	50 kg / 110 lbs
Speed max.	1,0 m/s / 22 mph
Navigation	autonomous due to contour based laser navigation (KBL)
Battery	LiFePo4

Safety

- Two 360° tactile contact bumpers
- Two emergency stop switches
- Two 3D cameras
- Fall protection for stairs and shafts
- Optical person recognition by means of laser scanner at the front

Navigation

SALLY Courier uses „Simultaneous Localization and Mapping“ (SLAM) technology to check its route using natural environmental features. It uses a laser scanner to scan the contours of the surrounding space and creates a map with easily retrievable features.

SALLY Courier is able to identify changes in the room, such as people, vehicles or parked material. SALLY then adapts the track calculation in order to bypass the obstacle.

SALLY Courier's safety features for collision avoidance and personal protection are similar to previous vehicles from DS Automotion and have been proven a thousand times over.

SALLY Courier is also designed to use additional 3D sensors and signaling devices.