



# Open Shuttle

The new flexibility

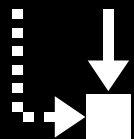
Autonomous mobile robots for creating flexible logistics processes

## Why choose autonomous mobile robots?

*Change is the only constant.*

In an ever-progressing world, change is all around us. Every day, we need to respond to new demands. The challenges for logistics are also growing – existing systems need adapting, and quickly.

Logistical challenges that Open Shuttles can solve:



Rapidly changing processes and environments, fluctuations in performance



Integration of new technologies into existing systems and infrastructure



Handling different load carriers



Lack of space and high levels of traffic inside the warehouse

The flexibility of the autonomous mobile robots offers new opportunities for warehouse-internal transport.

Automation from a single supplier

Intelligent fleet control system

Battery life of up to 8 hours self-charging

Large fleets possible

Innovative 3D obstacle detection

Scalable fleet size

Layouts that are easy to configure

Easy integration into an existing system compatible with VDA 5050

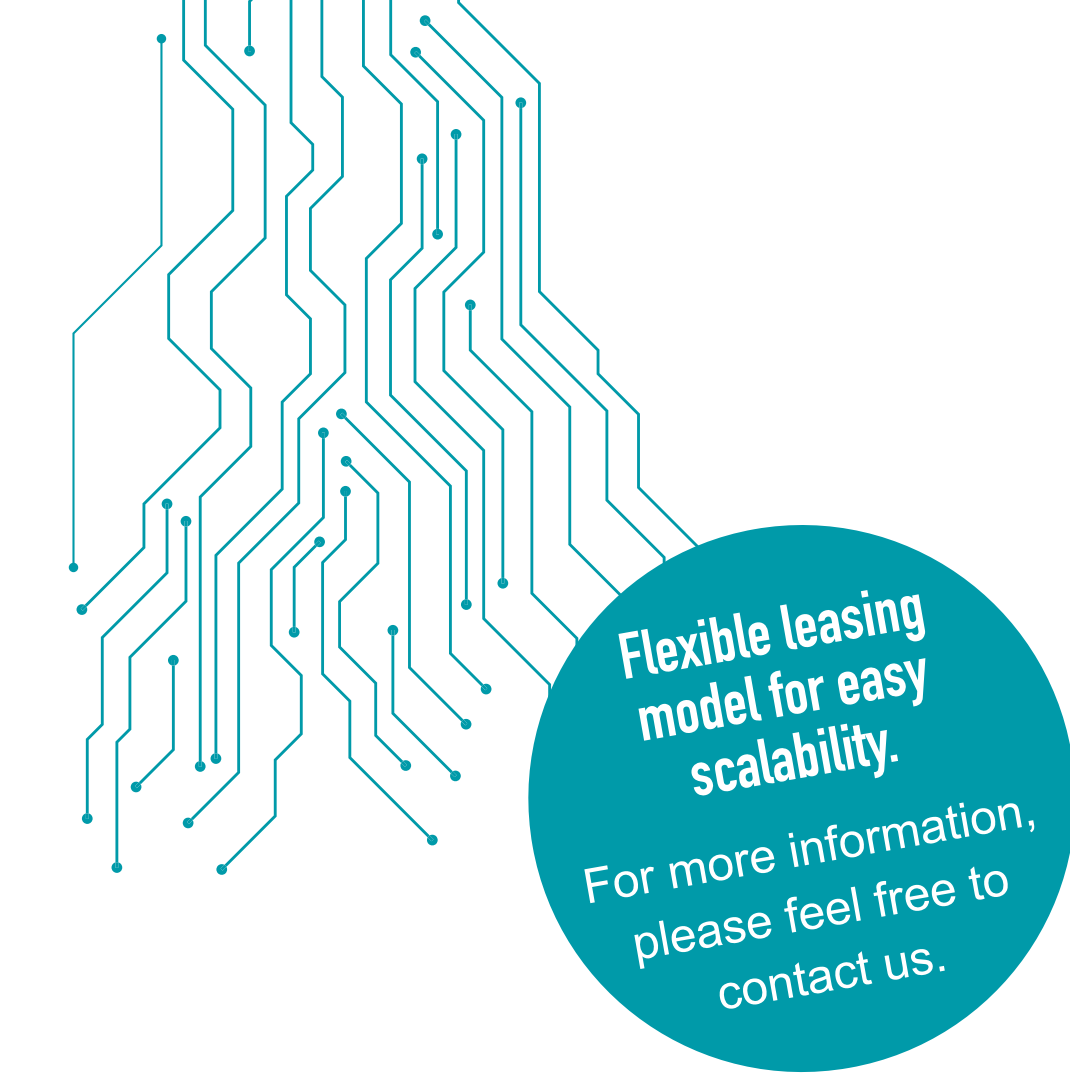
Digital twin environment is easy to operate

Straightforward easyUse user interface

Safe around personnel







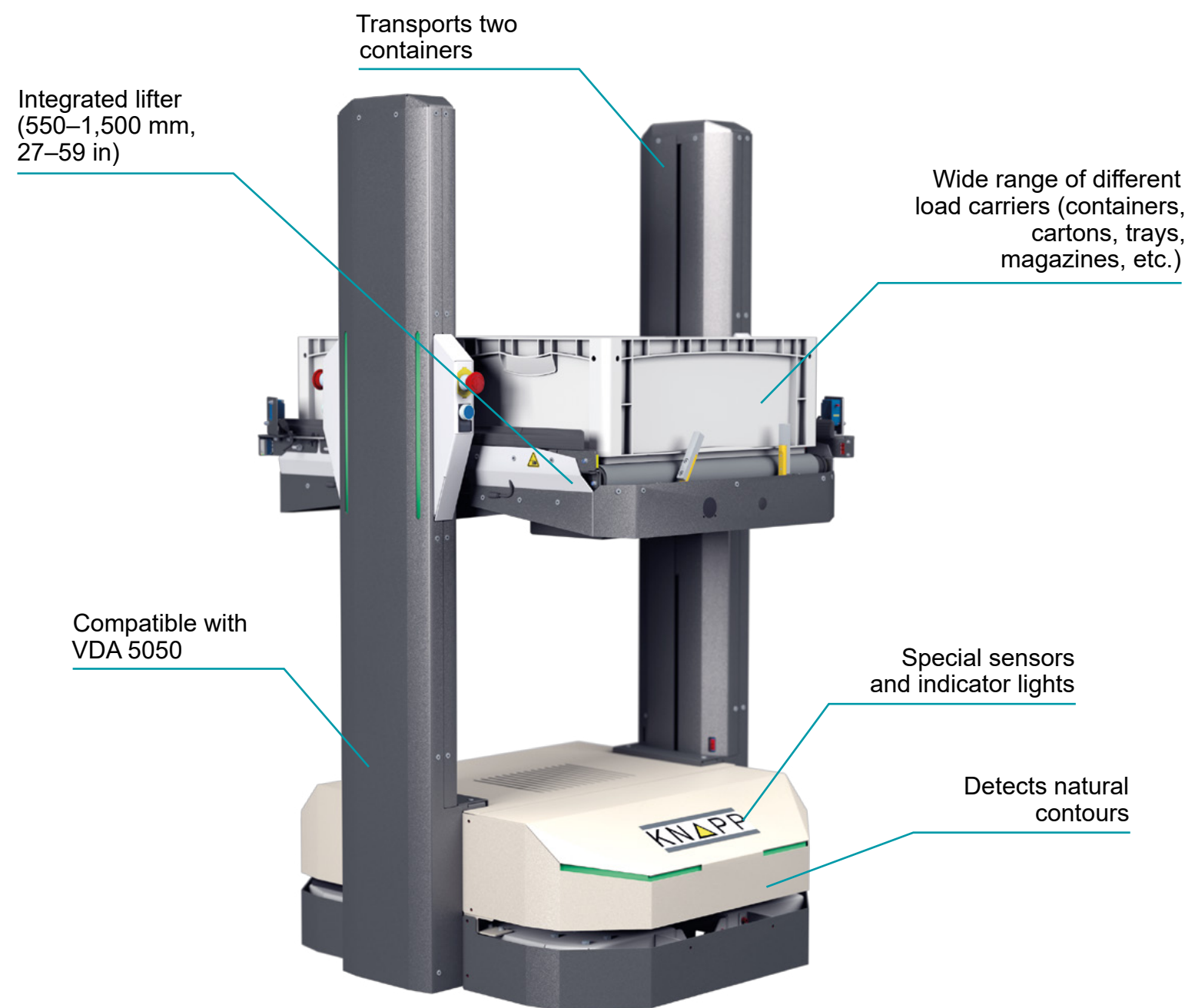
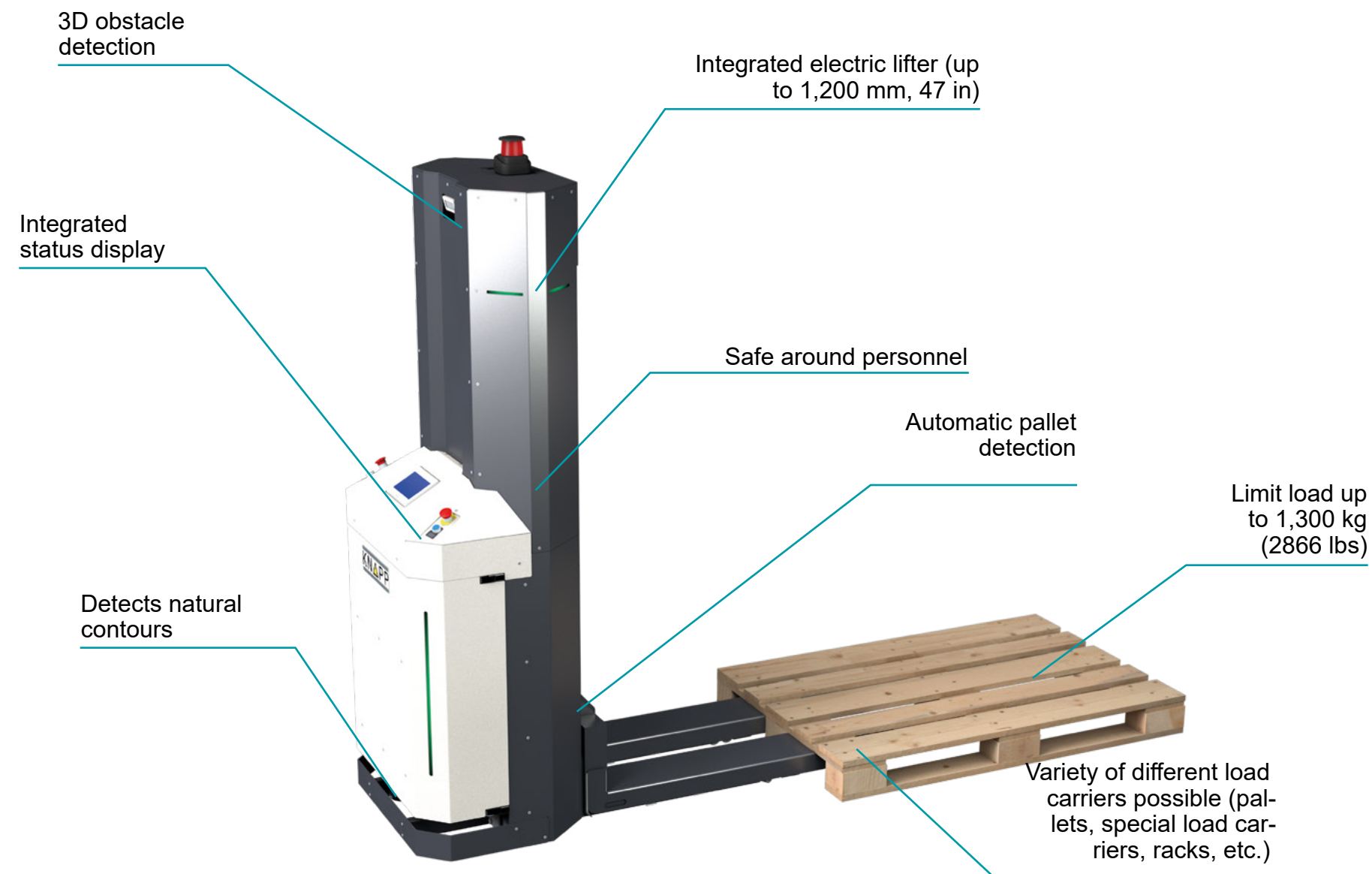
## Flexible solution for various applications

Thanks to their incredible flexibility and skill, autonomous mobile robots (AMR) can be used in many areas of application.

The Open Shuttles don't require any artificial landmarks or other aids, instead they find their way using intelligent software and sensor technology. This means there is no need to change or build anything new before installing the system, making Open Shuttles highly suitable for integration in existing systems.

### What the Open Shuttles can do:

- . Transport various different load carriers within the warehouse
- . Supply work stations and production lines
- . Support the picking process
- . Act as link to the automatic storage systems
- . Complement an existing pallet conveyor system
- . Supply kanban racks and flow racks
- . Carry out special and express transport tasks



## 3 good reasons to choose Open Shuttles:

### Intelligent

**Smart route planning and intelligent management of orders and transport resources using a fleet control system (FCS).**

Thanks to the intelligent control of the Open Shuttles, tasks are evenly distributed and transport routes optimized.

### Configurable

**Straightforward control of the layout, processes and fleet.**

The fleet control system makes it possible to easily adapt the layout to new processes and work stations. Any changes to the layout can be first tested in the KiSoft FCS digital twin environment.

### Flexible


**An adaptive transport solution to connect all locations in the warehouse without needing to make changes to the system.**

Open Shuttles carry out all sorts of transport tasks. They are also ideal for seasonal peaks – you can simply add more shuttles for that period of time.

### Product variants







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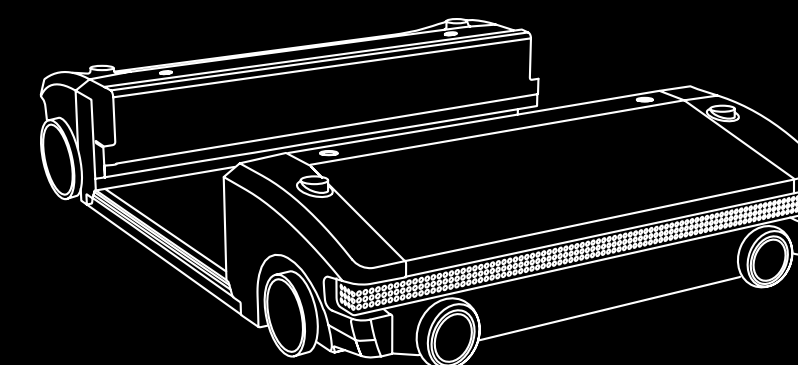
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**Intelligent  
Flexible  
Configurable**

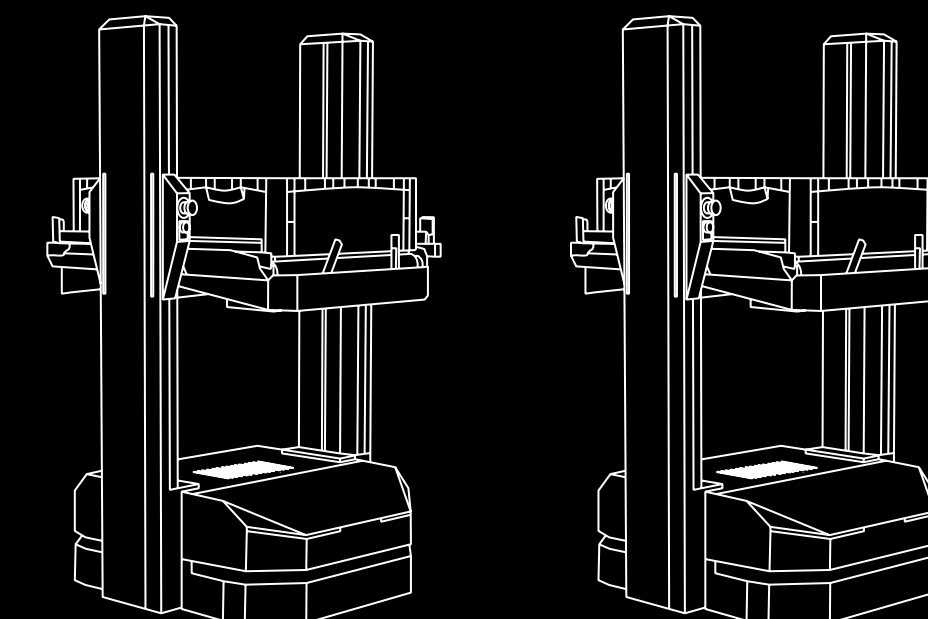
## Possible combinations

The Open Shuttles are quite handy to use in combination with other systems and provide a dynamic link between various storage areas. They transfer loads to kanban racks and flow racks, to the conveyor system and to storage systems, such as the OSR Shuttle™ Evo or the INDU-Store, where they act as a direct link to these automated systems.



### OSR Shuttle™ Evo+

OSR Shuttle™ Evo+ is an intelligent and flexible system solution. Comprising a central storage system and Open Shuttles, it provides just-in-time supply to the nearby work stations.



### A fleet for every requirement

You decide what your Open Shuttle fleet should look like. You can have two robots, or more than 30 – the size of the fleet can be adapted to the current situation and changed any time. It is also possible to have Open Shuttles of different types in one fleet.