

DYNAMIC PROCESSES FOR YOUR SUCCESS

We support you in automating your processes - from the start to the expansion of your system. With process analysis, AMR selection, commissioning, and after-care service, as well as smart devices and intelligent software, we enable the dynamic automation of individual processes.

Together, we'll create a customized automation solution that maximizes the potential of AMRs and drives your business success.



EXPLORE THE POSSIBILITIES WITH BOWE MOVE.



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LEARN MORE AT [BOWE.COM](https://www.bowe.com)



developed by
BOWE GROUP

[BOWE.COM](https://www.bowe.com)

LET'S MOVE IT

DYNAMIC AUTOMATION. FLEXIBLE. SCALABLE.

TRANSFORMING LOGISTICS: WITH AMR

DYNAMIC, EFFICIENCY & RELIABILITY 24/7

Logistics aims to deliver the right product, in the right quality, to the right place, at the right time. Sounds simple, right? Unfortunately, reality often differs. Where exactly is the shipment? Is the journey from point A to B optimized? How can we prevent human errors? Does absenteeism impact operational efficiency? How can we find qualified personnel?

The solution: Automate your internal material handling with Intelligent transport systems and advanced fleet management software. Gain real-time visibility into your operations and create a more dynamic and resilient supply chain.

The result: With automation, you'll always know exactly where your equipment is and what it's doing. Operating 24/7, these systems deliver consistent performance with fewer full-time employees. Potential process issues are identified and addressed immediately, preventing problems before they occur. By dynamically recognizing and capitalizing on optimization opportunities, you can enhance the flexibility and agility of your operations.



COMPENSATE SKILLED LABOR SHORTAGE



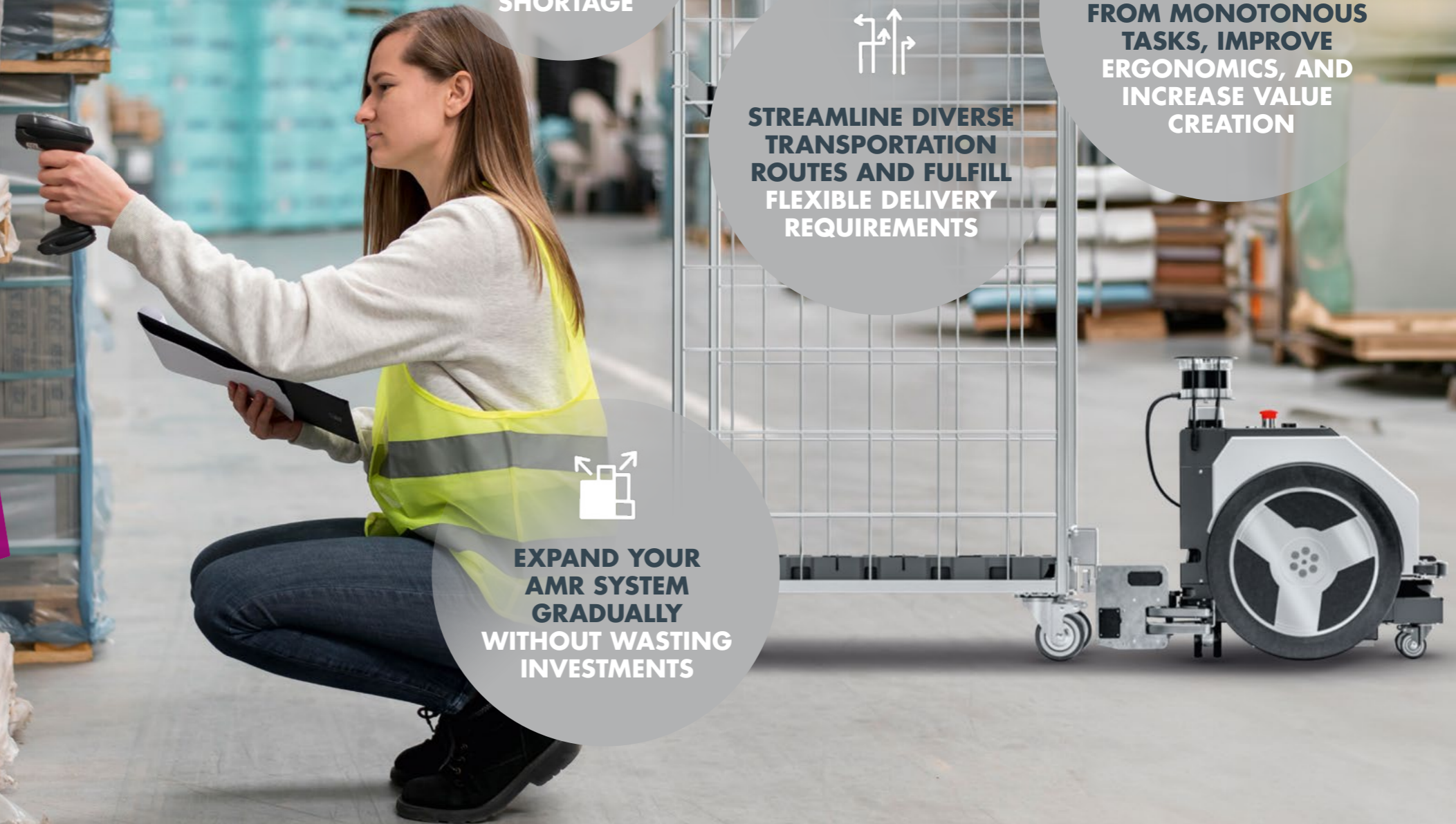
RELIEVE EMPLOYEES FROM MONOTONOUS TASKS, IMPROVE ERGONOMICS, AND INCREASE VALUE CREATION



STREAMLINE DIVERSE TRANSPORTATION ROUTES AND FULFILL FLEXIBLE DELIVERY REQUIREMENTS



EXPAND YOUR AMR SYSTEM GRADUALLY WITHOUT WASTING INVESTMENTS



MOVE MY DAY

PICKING UP, PUTTING DOWN, PULLING, PUSHING, OR LIFTING

What AMR is right for you? Our TugBot can handle a wide range of carts, and our PalettBot can lift and move European pallets and similar-sized boxes up to 1.3 meters. The FlexxBot can pull up to a ton and has various grippers for every challenge. No matter your specific needs, we've got an AMR solution to match.



LEARN EVEN MORE ABOUT OUR DRILLLESS TRANSPORT SYSTEMS



TUGBOT

Operating time	up to 8 hours
Charging time	25 minutes
Maximum towing capacity	up to 600 kg
Maximum speed	2.0 m/s
Maximum incline	5°
Turning radius	0.3 m (without load)
Navigation	3D-SLAM
User interaction	Sound, LEDs, buttons, remote controller
Positioning accuracy	+/- 5 cm; +/- 1 cm with QR code marker



PALLETBOT

Operating time	6 - 8 hours
Charging time	2 hours
Maximum payload	1,000 kg
Maximum speed	1.2 m/s
Maximum incline	2°
Turning radius	1.18 m
Maximum lift height	133 cm
Lift speed (loaded/unloaded)	100/135 mm/s
User interaction	Voice output, LEDs, buttons, remote controller
Positioning accuracy	+/- 5 cm; +/- 1 cm with QR code marker



FLEXXBOT

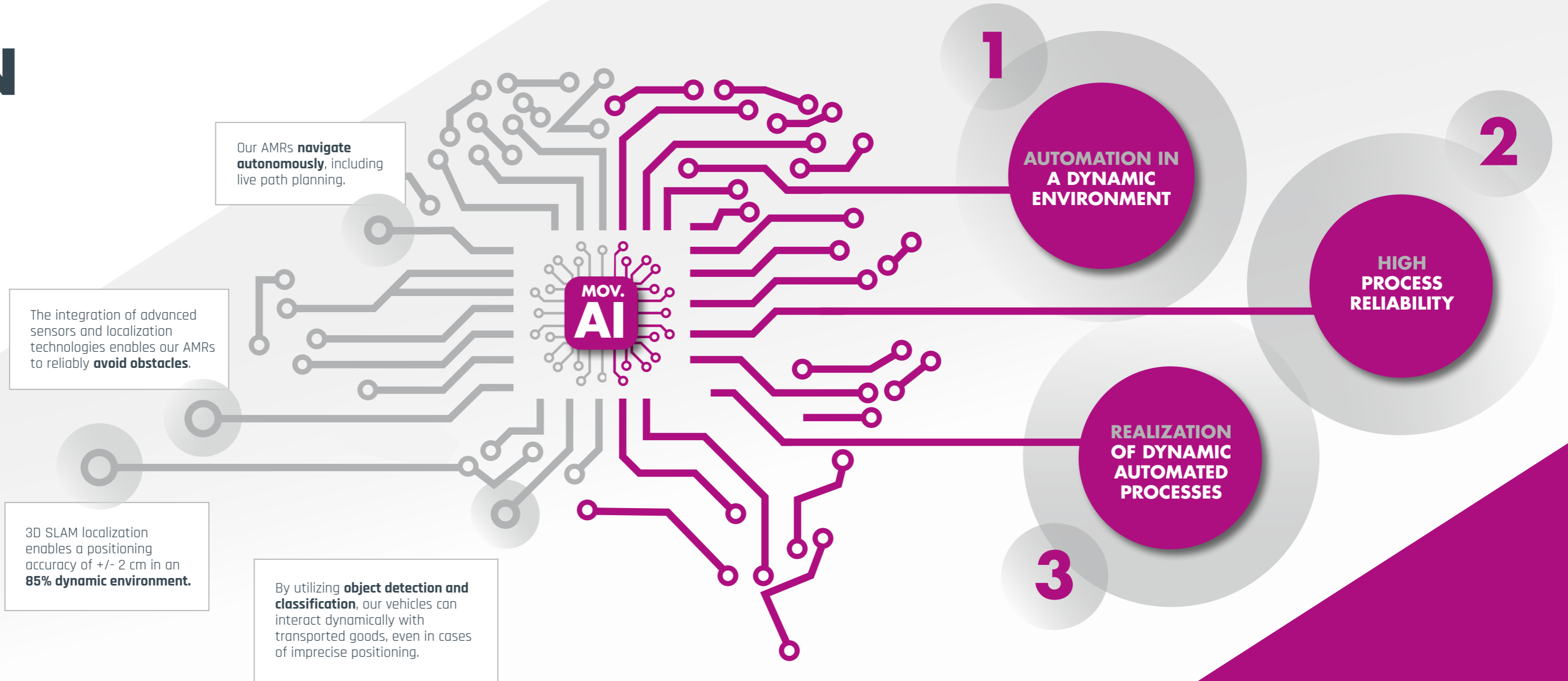
Operating time	up to 6 hours
Charging time	40 minutes
Maximum towing capacity	up to 1,000 kg
Maximum speed	2.0 m/s
Gripper arm	Adjustable for height and grip strength
Maximum incline	5°
Navigation	3D-SLAM
User interaction	Voice output, LEDs, buttons, remote controller
Positioning accuracy	+/- 5 cm; +/- 1 cm with QR code marker

THE BRAIN INSIDE: MOV.AI

THE RIGHT SOFTWARE MAKES ALL THE DIFFERENCE.

The "brain" of all BOWE MOVE AMRs is the intelligent operating system MOV.AI-OS. Developed in Europe to ensure data security, this software, equipped with various algorithms and 3D LiDAR sensors, enables autonomous and precise automation in even the most demanding and dynamic environments.

The vehicles can recognize the transport goods and their - even imprecise - position in space, ensuring a high level of process security, even in partially automated processes.



Deep integration into your IT environment for comprehensive material flow control.

Optimizes task allocation.



OPTIMIZE YOUR AMR PROCESSES.



As a logistics planner, you're responsible for ensuring a reliable material flow. You need technical solutions that are easy to use and flexible. Ideally, you need a vendor-neutral AMR solution that can be quickly and safely deployed with minimal effort. BOWE MOVE offers you this end-to-end solution.

Efficient traffic management

Real-time digital twin for enhanced transport visibility

MOVE IT LIKE A PRO



MORE SOFTWARE FROM BOWE: BOWE IQ



Intelligent orchestration of your AMRs is key to achieving the most efficient processes. By distributing tasks within your fleet based on your overall system, you can optimize resource utilization. Deep integration into your IT environment enables optimal material flow control. Connectivity to ERP or WMS systems ensures deep integration of the AMR into your process control, potentially even into machine processes. The connection to gates and other infrastructure components is made via a direct interface to these systems—for a high degree of automation and the implementation of complex process sequences. Simple user interfaces ensure that shop floor employees can easily work with the AMR system.

Equally important: efficient traffic management. Identify bottlenecks and dynamically adjust routing. For example, consider pedestrian traffic at lunchtime—the AMR will take alternative routes during this time. A real-time digital twin of your transports maps your entire material flow—you always know where materials and machines are located. With this added transparency, you can significantly optimize your logistics.



YOU DREAM IT, WE MOVE IT.

Across countless industries and departments, a vast array of products and materials need to be transported. What they all have in common is that many of these internal transports are still carried out manually.

Here lies the potential for your future: Use your personnel resources for value-added tasks and leave internal logistics to our AMRs—tailored to your specific industry requirements.

DISADVANTAGES OF MANUAL PROCESSES:

- ✘ HIGH COSTS
- ✘ SKILLED LABOR SHORTAGE
- ✘ LACK OF TRANSPARENCY
- ✘ PROCESS ERRORS AND DEFECTIVE OUTPUT

ADVANTAGES OF AUTOMATED SYSTEMS:

- ✔ TRANSPARENCY
- ✔ SCALABILITY, AND EXPANDABILITY
- ✔ PROCESS QUALITY
- ✔ DATA-DRIVEN PROCESS OPTIMIZATION



E-COMMERCE & RETAIL

- GOODS-TO-PERSON PICKING
- RETURN TRANSPORTATION
- PACKAGING TRANSPORTATION



FOOD

- RAW MATERIALS TRANSPORTATION • TO PRODUCTION
- FINISHED GOODS TRANSPORTATION • INBOUND WAREHOUSING •



HOTEL & HOSPITAL

- LAUNDRY TRANSPORT
- ROOM SERVICE
- KITCHEN SUPPLY



WAREHOUSES

- PACKAGING LINE SUPPLY
- OUTBOUND SUPPLY



AUTOMOTIVE & MANUFACTURING

- CONTINUOUS SUPPLY •
- WAREHOUSE LOGISTICS •
- ORDER PICKING •



- POSTAL CARTS TRANSPORTATION
- SORTER DISCHARGE
- MAILING MACHINE SUPPLY

POST & PARCEL



LEARN MORE ABOUT
OUR SOLUTION
FOR YOUR INDUSTRY

MADE FOR
MOVING.
**BOWE
GROUP.**

Integrate your AMR fleet and fleet management into our BOWE IQ Aspect platform. Achieve further optimizations and maintain an overview of all your systems. And use IQ WMS to track and organize your inventory in detail. Ask us, we tailor our consulting and solutions individually to your experience and your individual business goals - promised.

DISCOVER THE
POTENTIAL
BOWE.COM