CIM
LOGISTICS
SOFTWARE
SPECIALISTS

PROLAG Automation

Fully automated intralogistics expertise

www.cim-logistics.com

Professional
**Warehouse
Management
Software**
since 1985

PROLAG **Automation**
Fully automated intralogistics expertise

Increased storage capacity, fully controlled stock movements, lower manpower requirements – there are numerous reasons for choosing a fully automated warehouse. **PROLAG Automation** helps maximise the return on your investment in warehouse automation. The system can control any type of automated storage solution, from fully automated pallet storage and small parts storage systems right through to AutoStore. **PROLAG Automation** combines the strengths of conventional WMS systems with the benefits of automation. The system achieves an unprecedented level of optimisation and efficiency all the way from goods receipt to goods issue.

Manual storage areas can be easily expanded to include automated areas, allowing maximum scalability and investment security. What's more, production areas and automated systems such as sorting machines and cranes can be seamlessly integrated into your intralogistics landscape. **PROLAG Automation** is a hybrid intralogistics system that enables you to safely manage the future of your business.

Once upon a time, in a faraway intralogistics world ...
The goods in the receiving area are piled up to the ceiling as usual. The boss is looking
around frantically, trying to find someone.
"Steve," he calls in delight when he sees his longest-serving and most loyal colleague
sitting on the forklift. "Where is everyone?"
Steve stops the forklift and looks at his supervisor, puzzled. "Haven't you heard?"
The boss shakes his head. "Heard what?"
"About the shortage of skilled workers," he says, looking sympathetically at his boss who
obviously has no idea what he's talking about. "We don't have enough people at goods issue
or production. That's why the goods receipt department is helping out," Steve explains.
Then he thinks for a moment before continuing.
"Maybe it's time to get some sort of help," he says. "An automated storage area might be
a good start. What do you think?"
While Steve turns the forklift and moves a pallet from the overflowing goods receipt area
into the warehouse, the boss stares at the towers of pallets in front of him, deep in thought.
An automated warehouse... As if he hadn't already thought of that himself.
But how would it work? Ever since the automated guided vehicle had that accident, they've
been managing their entire intralogistics manually. And he practically did all the warehouse
management stuff in his head up until recently. Now he's got a new warehouse management
system that does it all for him.
Would it even be possible to link an automated solution to their warehouse logistics?
And would they still be able to use the new intralogistics system?
Would it be a good investment?
These are all questions he needs to clarify ASAP.
After that he'll get round to doing something about the shortage of skilled workers.

PROLAG Automation

– Seamless integration of automated and manual storage areas

– Control and monitoring of all common automated systems

– Increased efficiency of automated systems in goods issue

– Easy expansion of existing storage areas

– Visualisation of automated components in the material flow controller

– Smooth and efficient integration thanks to coordinated processes

– Fault resilience thanks to intelligent putaway strategies

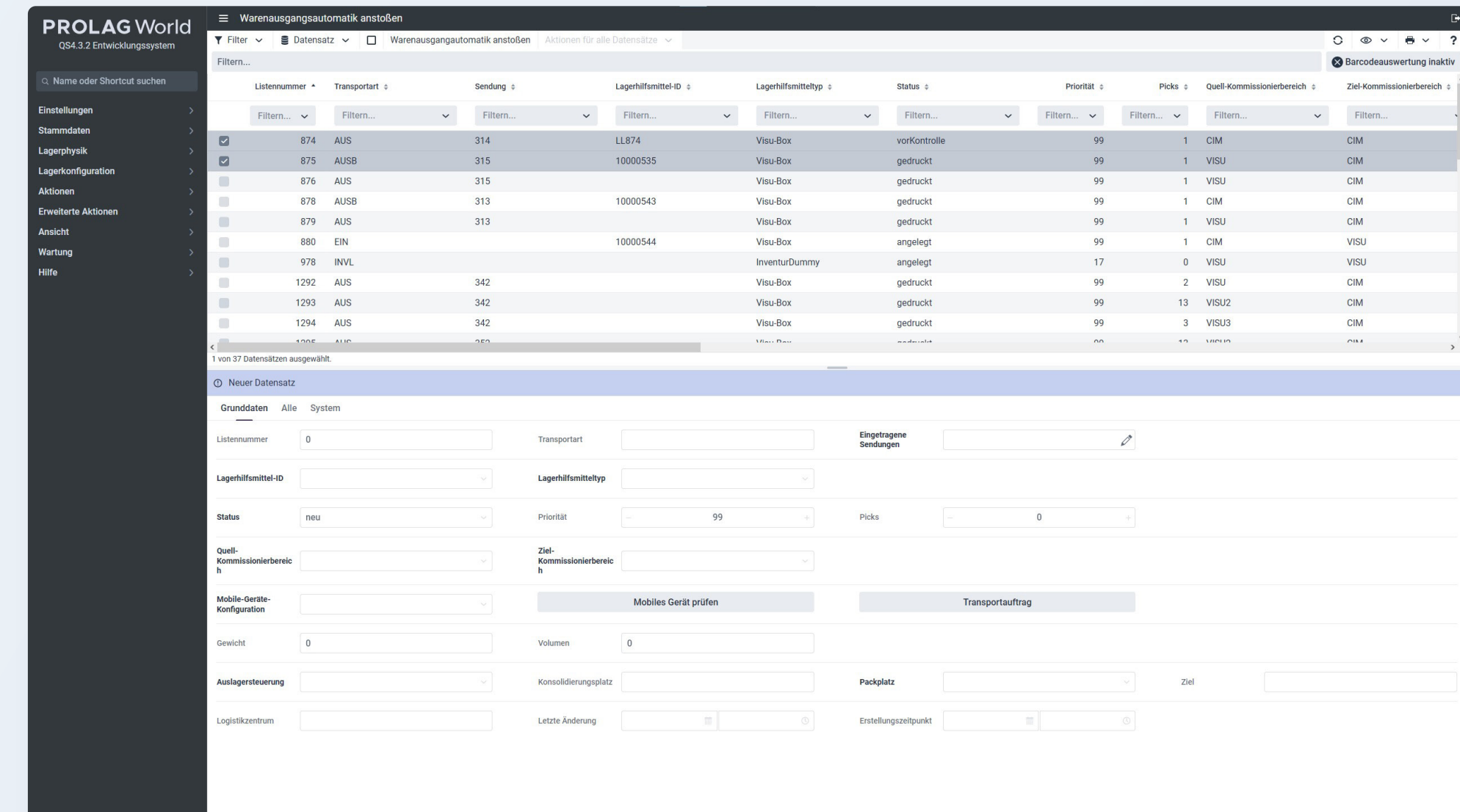– Full transparency in material flows

Optimisation and efficiency from goods receipt to goods issue

PROLAG Automation
A holistic approach to warehouse automation

PROLAG Automation allows perfect organisation and monitoring of all the processes in your automated warehouse. Our software controls shuttles, lifts, robot systems, storage and retrieval machines, high-bay facilities, sorting machines and conveyor systems by a host of different providers.

Tailored strategies, visualisation and efficient route calculation are combined to create perfect material flows. All automated storage areas can be mapped together in combination with non-automated sections of the warehouse. Standardised, integrated processes ensure seamless interaction of your logistics processes and provide maximum investment security for the future.
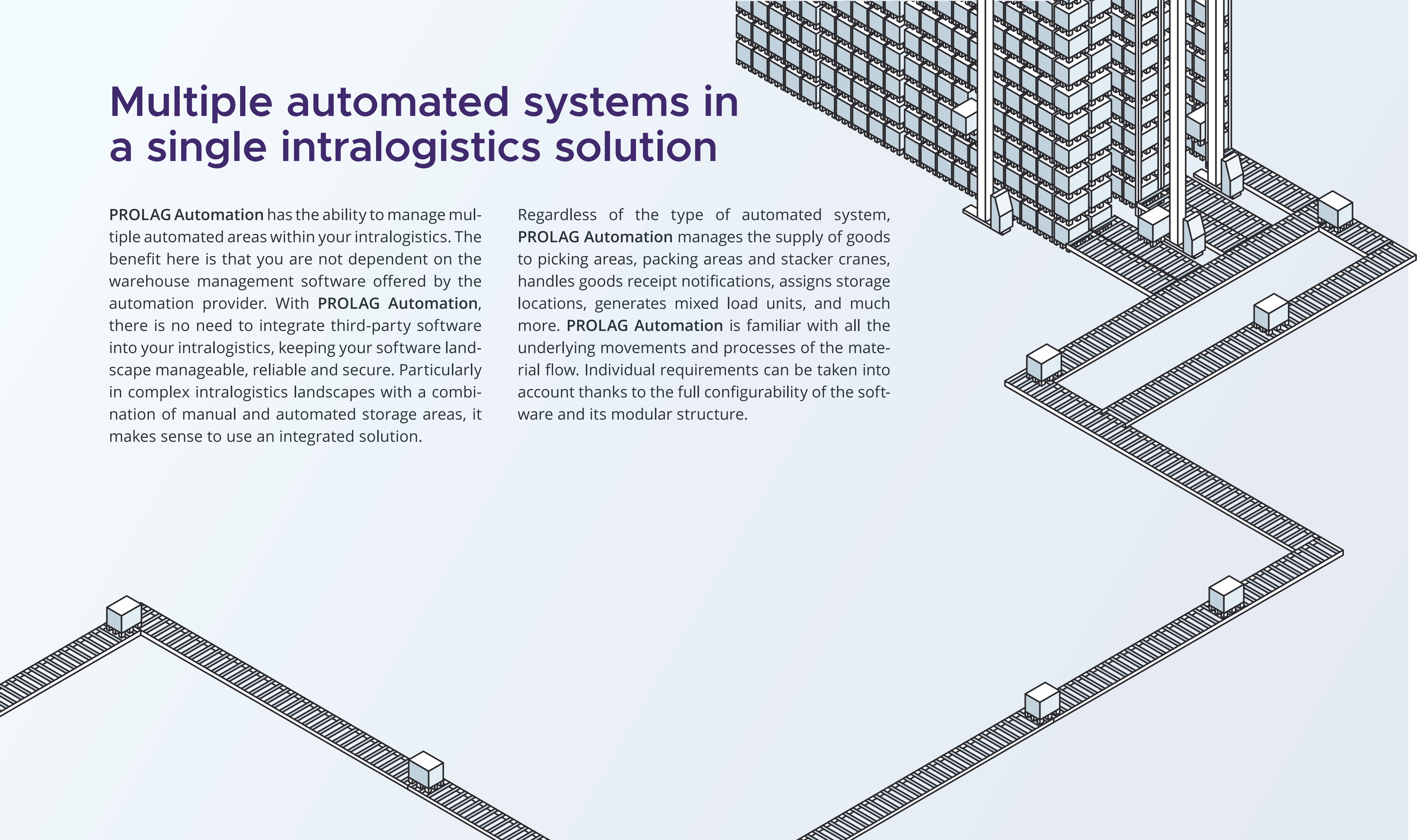

Automated and non-automated storage areas can be fully mapped in the system.

Multiple automated systems in a single intralogistics solution

PROLAG Automation has the ability to manage multiple automated areas within your intralogistics. The benefit here is that you are not dependent on the warehouse management software offered by the automation provider. With **PROLAG Automation**, there is no need to integrate third-party software into your intralogistics, keeping your software landscape manageable, reliable and secure. Particularly in complex intralogistics landscapes with a combination of manual and automated storage areas, it makes sense to use an integrated solution.
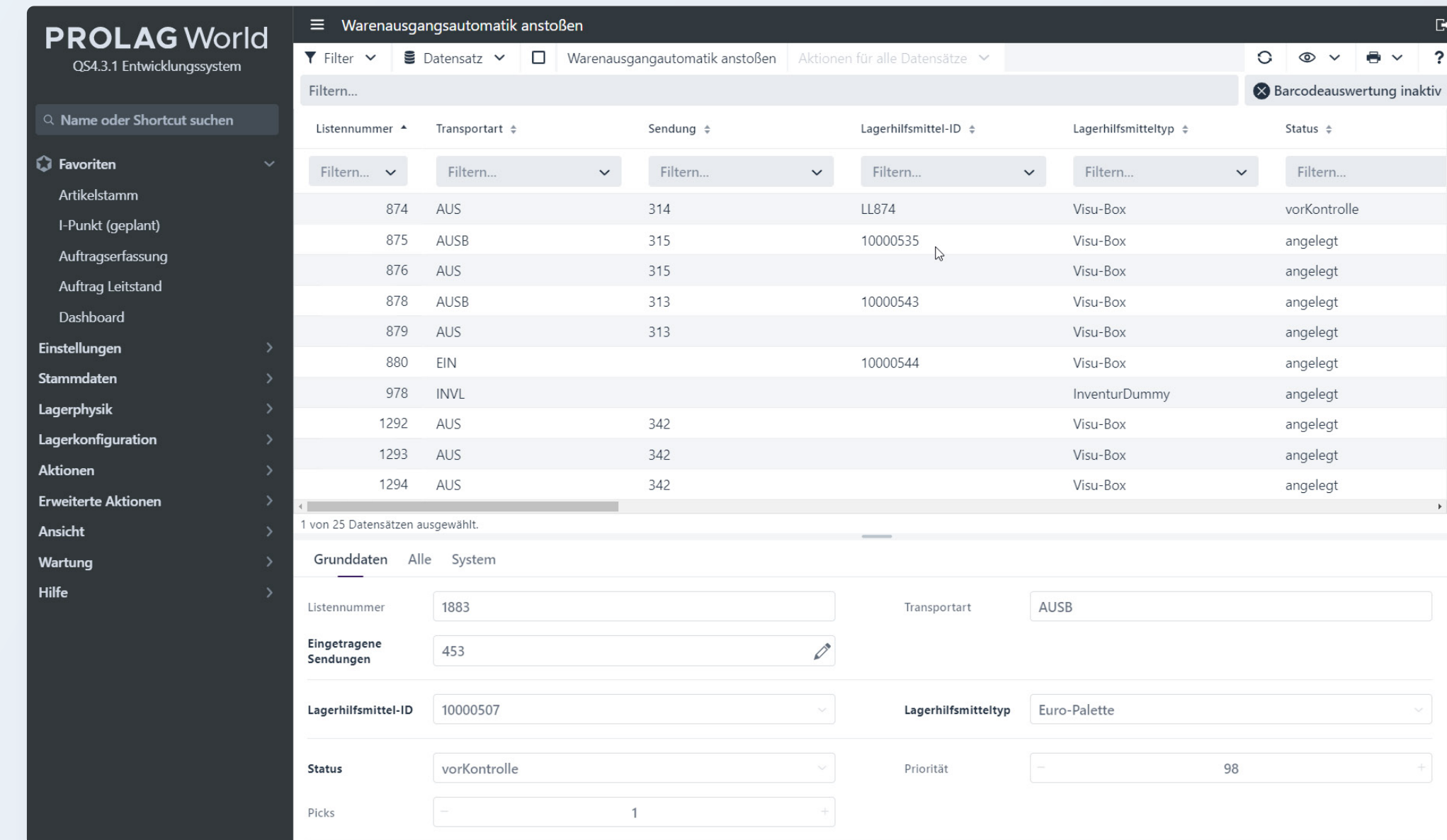
Regardless of the type of automated system, **PROLAG Automation** manages the supply of goods to picking areas, packing areas and stacker cranes, handles goods receipt notifications, assigns storage locations, generates mixed load units, and much more. **PROLAG Automation** is familiar with all the underlying movements and processes of the material flow. Individual requirements can be taken into account thanks to the full configurability of the software and its modular structure.

Full transparency in material flows and automated warehouse visualisation

In order to manage partially or fully automated warehouses, **PROLAG Automation** maps all warehouse material flows in the material flow controller. The MFC centrally monitors, controls and tracks the data and information flows in automated warehouses and production facilities. **PROLAG Automation** organises, structures and optimises the stock movements in the warehouse and communicates with the individual system components over various interfaces.

When automated solutions such as conveyors or sorting machines are connected, the software automatically recognises the required communication formats. In other words, it can handle all common automation solutions. Often seen as a type of black box, material flows in an automated solution achieve full transparency thanks to **PROLAG Automation**. This creates valuable optimisation opportunities in the automated warehouse and beyond. Putaway and retrieval strategies can be tailored for use in other storage areas, stock relocation is problem-free, and production replenishment can be diverted to the automated warehouse. Material flows are also mapped by the system visualisation functionality, which displays a graphical representation of your storage areas so that important information can be viewed at a glance.
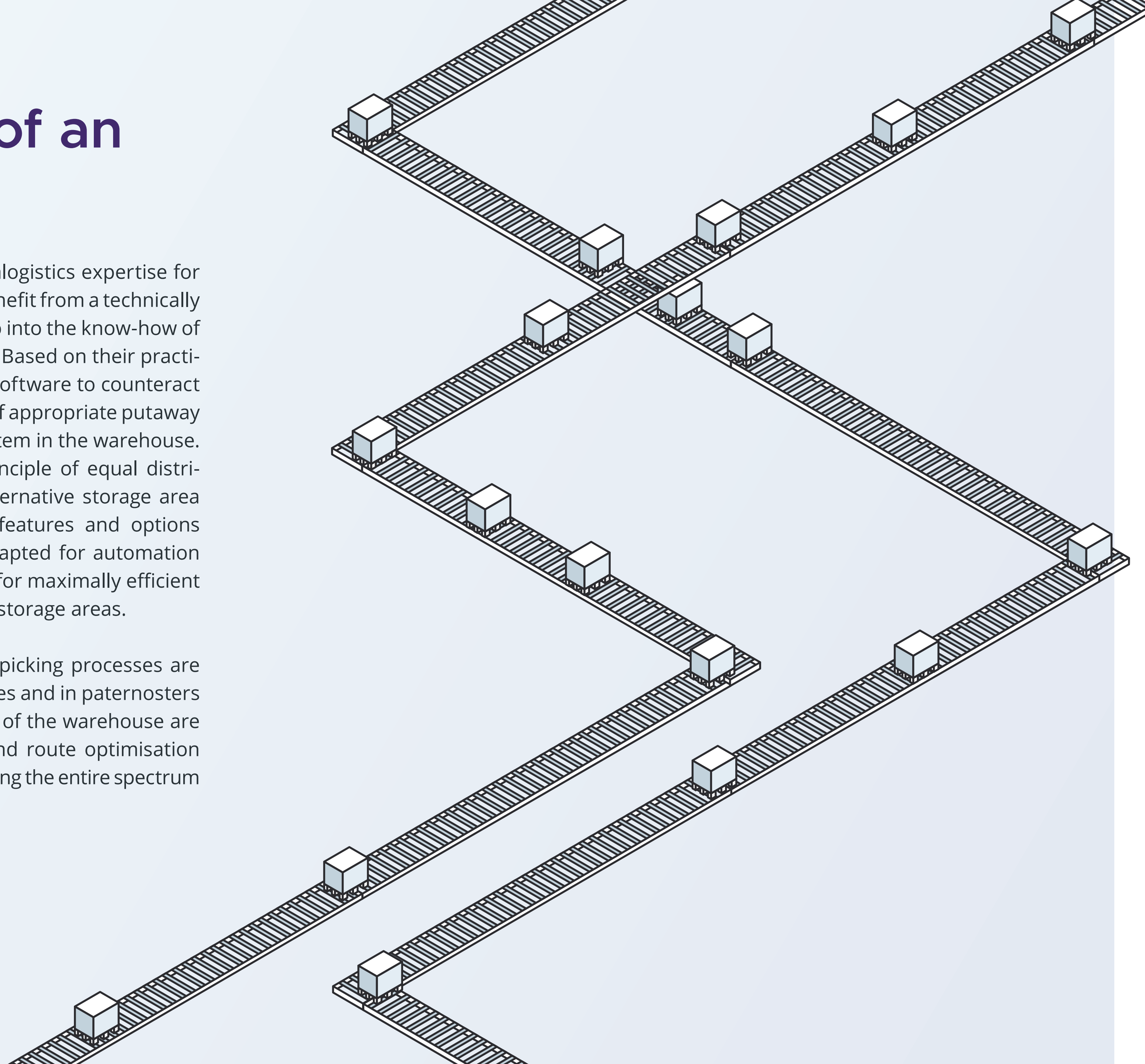

Full transparency with **PROLAG Automation**.

Automation as part of an integrated solution

PROLAG Automation is the natural extension of our intralogistics expertise for automation. Users of our automation software not only benefit from a technically optimal warehouse automation solution. They can also tap into the know-how of our expert logistics consultants and software developers. Based on their practical experience, we have built fail-safe strategies into our software to counteract potential failures in the automated system. The selection of appropriate putaway strategies guarantees trouble-free access to every single item in the warehouse. If an automated storage area fails, for example, the principle of equal distribution means that every item can be accessed in an alternative storage area within the same storage group. What's more, all the features and options offered by our intralogistics suite **PROLAG World** are adapted for automation by **PROLAG Automation**. All common putaway strategies for maximally efficient manual intralogistics can also be used in fully automated storage areas.

The putaway strategies, general retrieval strategies and picking processes are integrated both in partially and fully automated warehouses and in paternosters and shuttles. All automated and non-automated sections of the warehouse are integrated into the standardised, overarching process and route optimisation functions. **PROLAG Automation** is a one-stop solution covering the entire spectrum of your intralogistics processes.

Unfold the full potential of your intralogistics with PROLAG **Automation**

– Partially and fully automated pallet storage

– Automated small parts storage

– Automated tray storage

– Connectivity to various automated components:

   - Cranes

   - Automated guided vehicles (AGVs)

   - Scales

   - Production machines

   - Automated sorting machines

– Control and monitoring of bin conveyor systems

– Management of pick-by-light systems

– AutoStore connectivity

– And much more …

References

... and more