



PROLAG Production

Revolutionising intralogistics

PROLAG Production Die Intralogistik- Revolution

Module 50X. As modest as the in-house name of this intralogistics powerhouse may be, its impact is ground-breaking. Our production software **PROLAG Production** is disruptive, challenging existing principles while offering so many benefits that it can be seen as a major breakthrough in intralogistics.

The solution allows precise batch tracing of a produced item in all its individual parts, right down to which raw materials were used. Features such as automatic replenishment, intelligent route optimisation and campaign planning significantly enhance your production efficiency. Our approach is crucial to the success of the system: As intralogistics experts, we consider every stage of goods transformation right from raw material to finished product.



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Once upon a time, in a faraway intralogistics world ...

“Great job everyone”, says the boss encouragingly.

“We really made some progress today.”

The group has gathered around him and everyone is standing with their arms crossed and unhappy looks on their faces.

It’s been a long and unbelievably frustrating day – they’ve all had to work late because HR didn’t act on staff shortages in the late shift.

“It was my mistake”, the boss admits charitably.

“Happens to everyone. But it got better”, he adds quickly.

“What about the massive bottleneck at goods issue that paralysed production?”, ask the production manager.

“Or the machines waiting for supplies?” “And the accidents in aisles 1 and 3?”, says someone else. “Has anyone seen the AGV?”

The boss gets up on one of the pallets next to him and waves his arms in an attempt to calm everyone down.

“Okay, okay. I get it that my picking route choices weren’t always the best. But don’t forget last week when the warehouse was chock-a-block with the wrong production equipment.

That was real chaos, wasn’t it?”

A few in the group nod in agreement.

“Well then,” the boss continues optimistically.

“Today was a cinch in comparison. Next time I’ll look after replenishment myself and it’ll be a piece of cake.

Won’t it?” The subdued reaction of his employees makes him think twice.

Maybe there’s a software program that could help by merging production with warehousing?

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PROLAG Production

We’ve combined **PROLAG World** and **PROLAG Production** to provide an unbeatable range of software functions in a single system. Your warehouse and production logistics achieve perfect synergy to bring you a whole range of benefits.

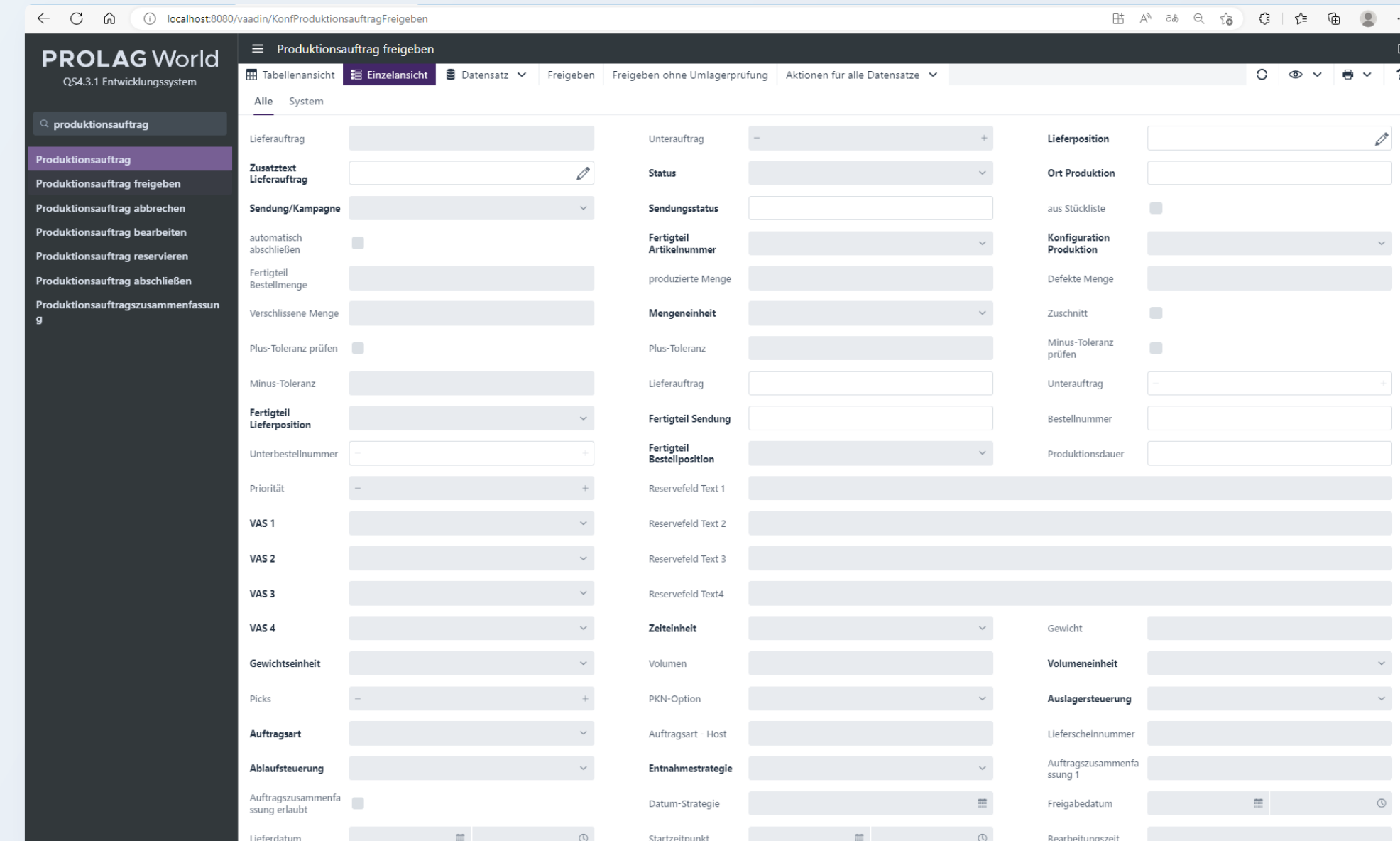
The production control solution **PROLAG Production** maps the flow of goods around your production, synchronising material flow with demand. Equipped with warehouse logistics capabilities, the production system allows a real time overview of stock levels within the production process. Any scrap or defective parts are reported to the system so that an increased demand can be identified. Residual materials are recorded in the system and returned to stock or put in intermediate storage. You can use the **PROLAG World** intralogistics suite to organise putaway of finished parts once production processes have been completed or send your finished parts directly to dispatch with **PROLAG Shipping**.

**One system
– one logic**

PROLAG Production – Flexible production workflows

PROLAG Production is designed to handle real-world conditions in the everyday production scenarios of various industry sectors. Changes and cancellations can be carried out manually at any time. Production orders can be stopped or adapted should customer orders change or demand decrease. The system books these transactions correctly and immediately makes the relevant raw materials available for other orders.

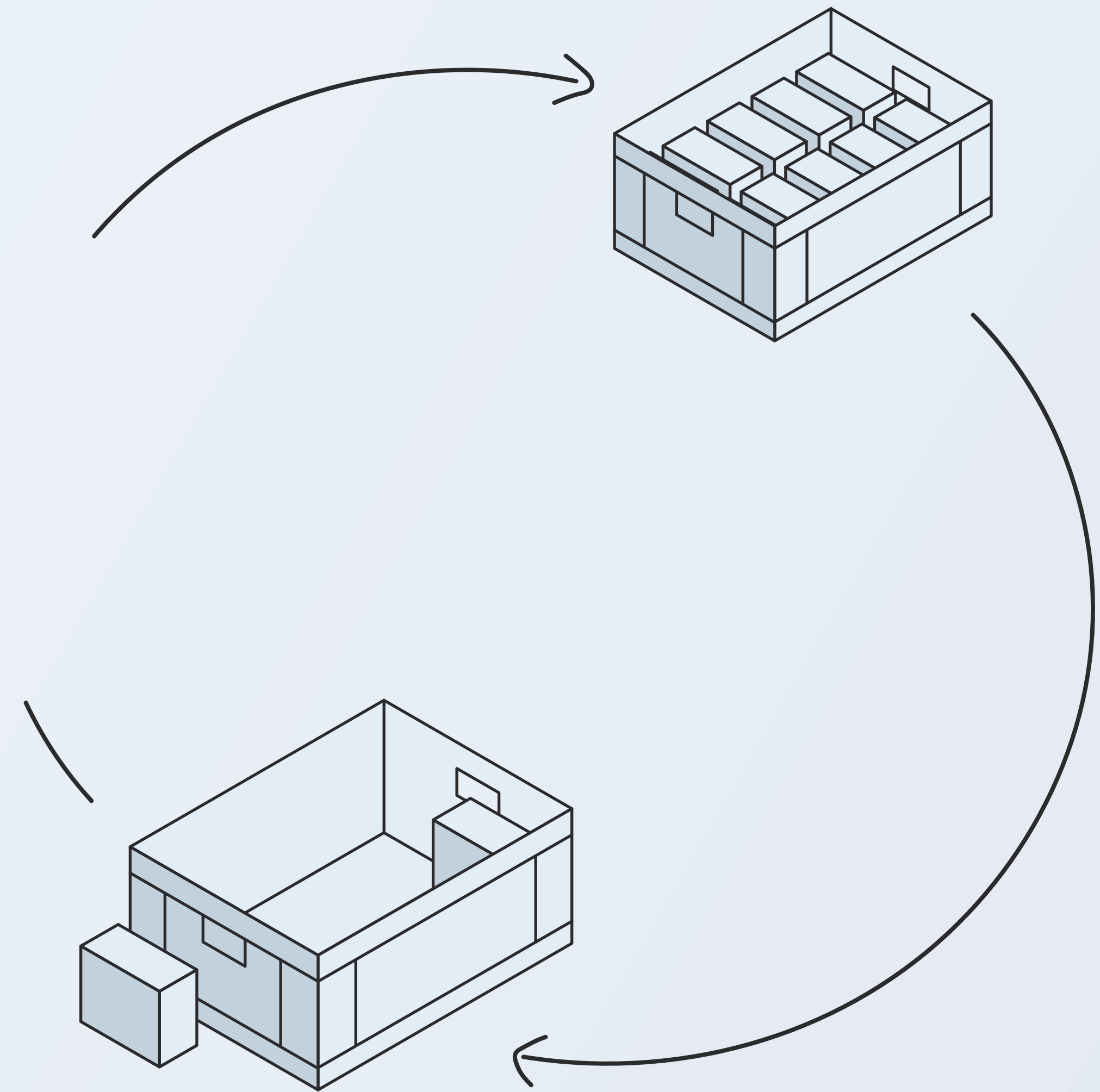
PROLAG Production also allows quantity variances in production – this is essential in food production where, depending on the raw materials, it is not always possible to produce the expected quantities. Users can close an order in the system before specific order quantities have been reached. What's more, PROLAG Production can apply tolerances to entered quantities. An unbeatable feature for handling supply bottlenecks and raw material shortages.



Kanban – Supply based on the pull principle

Using a kanban system to manage and replenish bins, **PROLAG Production** manages demand based on the pull principle. Replenishment is triggered in a timely manner when raw material supplies are running low. Supplies are automatically directed to individual workstations for a smooth, stress-free and accurate assembly process. Automatic replenishment based on the kanban principle means that assembly islands and production stations are always supplied with the right parts at the right times, in easy reach of the assemblers so that they can concentrate on their key tasks.

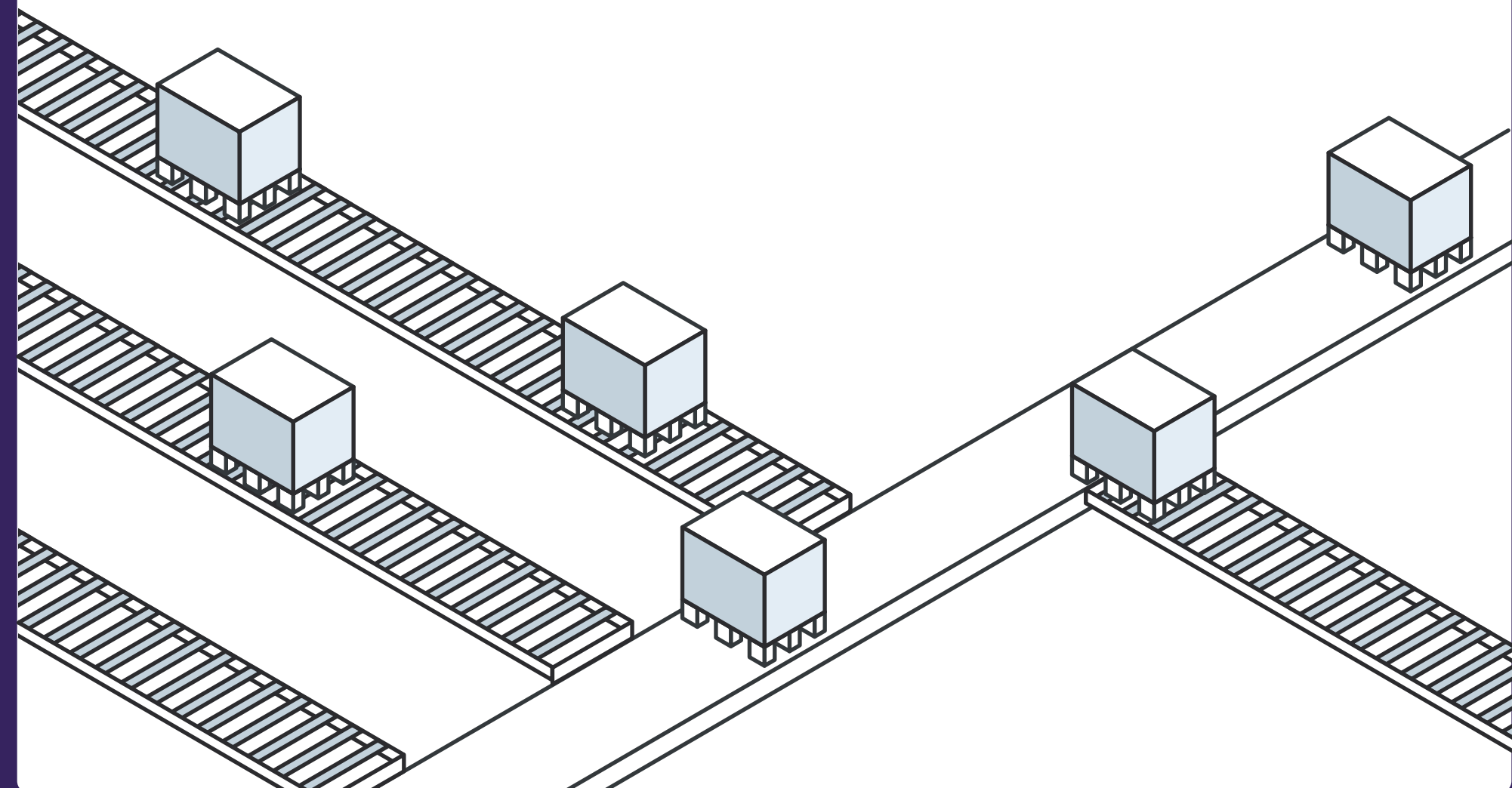
A global approach to intralogistics is particularly beneficial in this respect. If there are not enough parts available for replenishment, the missing raw materials are transported straight to the supply areas for assembly the next time there is a delivery to goods receipt.



PROLAG Production Benefits at a glance

Full traceability– supply chain transparency

Medical and pharmaceutical products, cosmetics and foodstuffs all require a high level of quality control. Thanks to the multi-level batch pass feature in **PROLAG Production**, it's easy to document which batch has been used for which finished product in both simple and complex production scenarios. Your production logistics is completely transparent since information on product compositions and constellations can be viewed at any time. Using this tool, your clients' audits are simple and stress-free.



Reduced idle times in production

Goods transformation without waiting times is essential for effective production. Sufficient material must be available at the production site to guarantee this. **PROLAG Production** communicates demand for specific machines to the WMS in a timely manner in order to prevent supply shortfalls at the workstation. User-friendly ergonomic devices such as freehand scanners can be used to ensure that the correct items are always available at the production site.

High-speed serial production in a stress-free environment

Because material flows are so accurately managed, throughput time is significantly reduced. Campaign planning is used for easy control and monitoring of serial production. At the same time, it makes working at the machines less stressful: **PROLAG Production** knows what is needed and monitors production orders to keep pace with the necessary work steps.

Low stock levels at the work

Accurate demand planning is crucial for a more relaxed working environment. **PROLAG Production** monitors raw material consumption and can detect instances of underproduction or overproduction so that surplus stock no longer accumulates at the workplace, hampering production. Thanks to intelligently planned production logistics, you'll always be in control of your workstation.

Short routes, fast transport

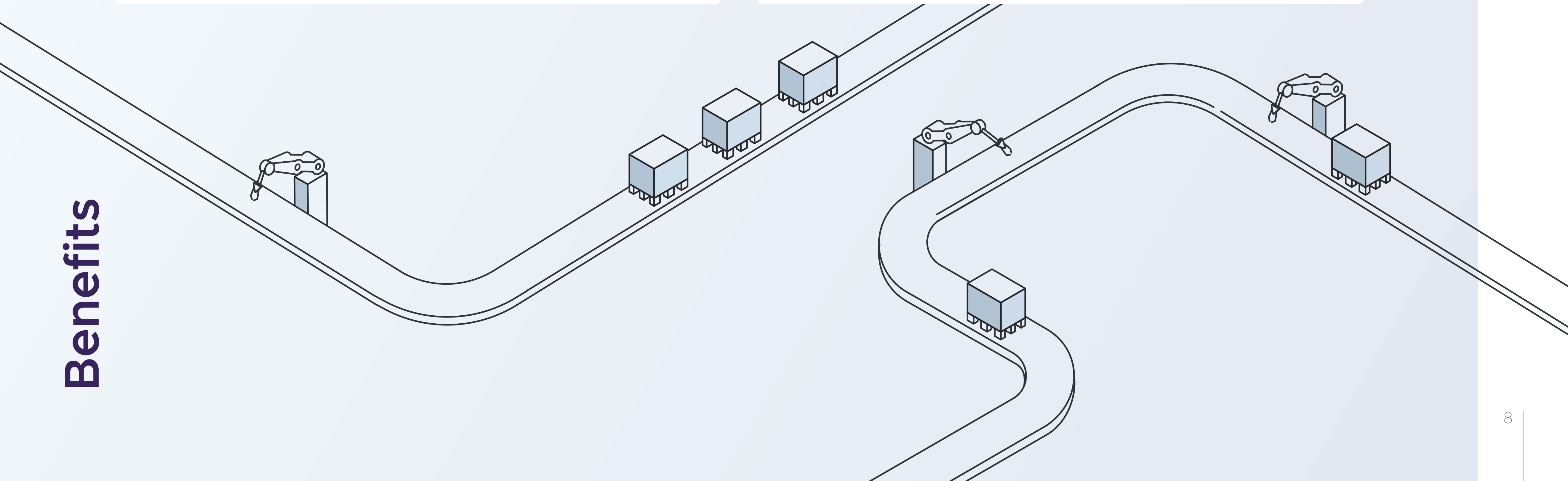
Seamless integration with your intralogistics means that routes within production facilities are streamlined to save both time and energy. One or more bins can be easily loaded onto forklifts or tugging trains either in the warehouse or at the production area.

Enhanced capacity

Supplies to production are continuous, enhancing capacities across your entire intralogistics. Production runs smoothly since supply processes are adjusted to take production times into account.

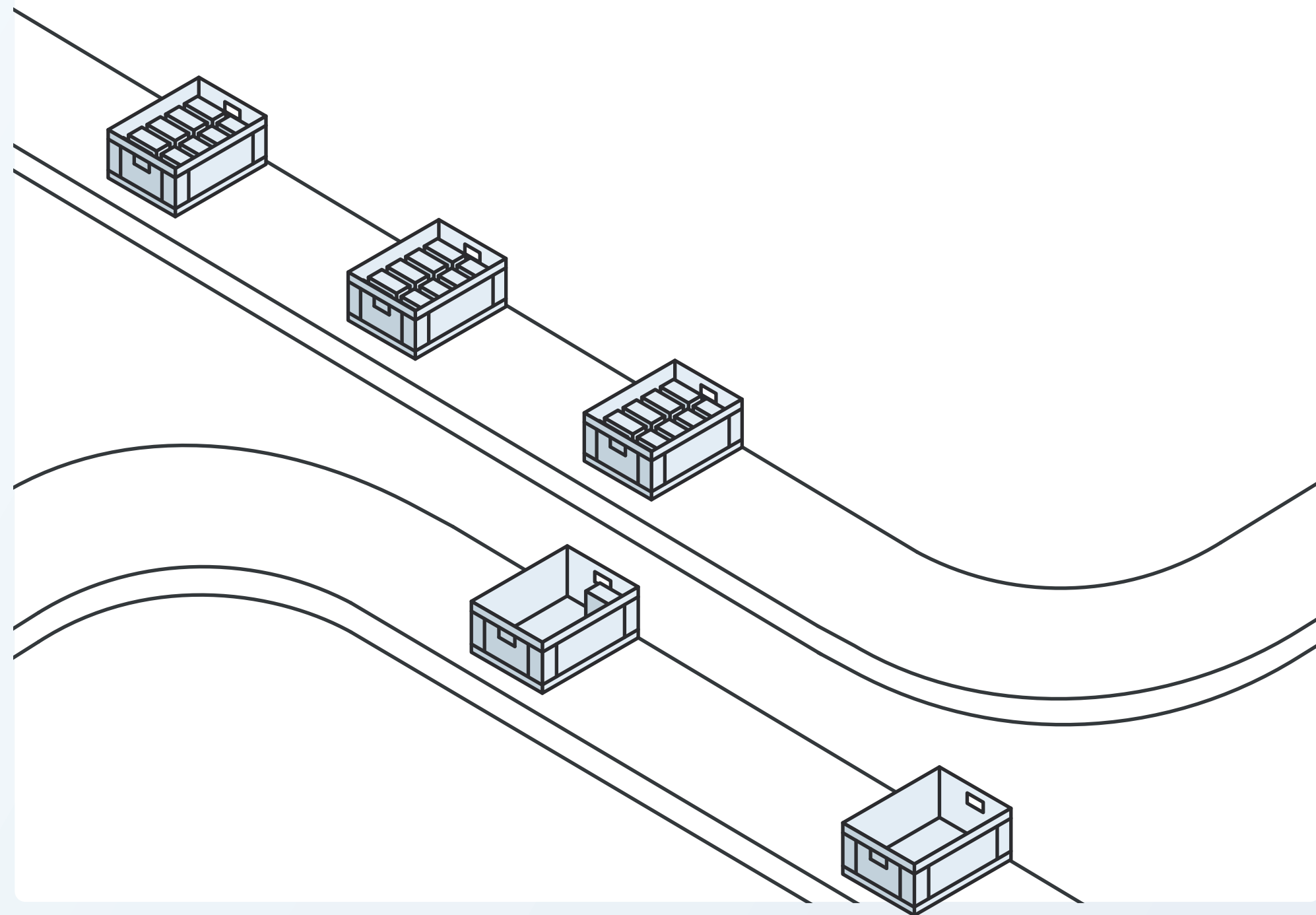
Higher cost efficiency

Manufacturing costs in your production are significantly reduced thanks to shorter waiting times in production, optimised use of machines, intelligent transport routing and precise inventory management.



Replenishment with electronic kanban

The electronic kanban control system works like a supermarket for your intralogistics. Materials such as screws, washers, covers and adhesives that are needed in large quantities for production are always available and automatically replenished. This feature operates in the background, sending an electronic message to the relevant production employee.



References



... and more

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