

Jungheinrich customer reference

CEVA Logistics: More sustainability with lithium-ion technology.



Innovative solutions for modern logistics.

CEVA Logistics is one of the world's leading logistics service providers and has a clear focus on sustainability and efficiency. A central point of the comprehensive sustainability strategy is the conversion of the vehicle fleet from lead-acid to lithium-ion drives, powered by green electricity. Jungheinrich was the perfect partner for this.

THE LOGISTICS CENTRE WITH ADDED VALUE AND VISION.

The European distribution centre in Grobbendonk, Belgium, extends over five halls, each measuring 10,000 m², and serves as a hub for B2B logistics for one of the largest shoe manufacturers in the world. On average, twelve containers are delivered here daily from the port of Antwerp to the neighbouring container terminal. In addition to storage and shipping, the site also offers value-added services and relies on innovative technologies to future-proof logistics processes.

The switch to lithium-ion technology fits perfectly with our sustainability strategy.

GREEN ELECTRICITY FOR POWERFUL TECHNOLOGY.

CEVA is endeavouring worldwide to reduce its CO₂ emissions and make its operations more environmentally friendly. The logistics service provider aims to complete the switch to lithium-ion technology worldwide within a few years. This has already happened here in Grobbendonk with 54 lithium-ion trucks and 20 solar-powered power banks from Jungheinrich. The batteries are charged with electricity from the company's own 40,000 m² solar

system installed on the roof another step towards emission-free logistics.

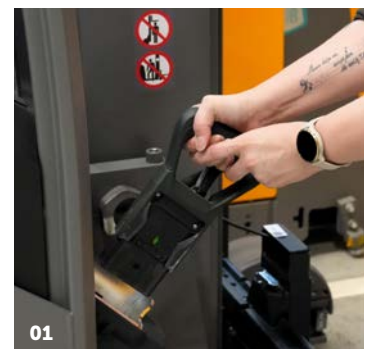
ONE STEP, MANY ADVANTAGES.

By switching to lithium-ion, CEVA Logistics has not only taken a sustainable step, but also a forward-looking one. This is because the switch offers a whole range of advantages. Firstly, the time-consuming and always risk-prone replacement of lead-acid batteries is no longer necessary. Instead, the new lithium-ion batteries remain in the vehicle and can be charged flexibly and conveniently even during short breaks giving them sufficient capacity for two-shift operation.

POWERFUL: POWERBANKS AND POWERLINE.

A completely new and centralised charging infrastructure serves as the basis for the energy supply: each charging station is equipped by Jungheinrich with powerbanks that are connected to the solar panels on the roof. Jungheinrich supplied a total of 20 power banks, each with a storage capacity of 32.5 kWh. This successfully avoids peak loads in the power grid. But that's not all: the optimised vehicle fleet is a prime example of the intelligent use of resources. Instead of over 60 vehicles and an equally large number of interchangeable batteries, 54 state-of-the-art forklift trucks are now sufficient. A large proportion of these vehicles are from the POWERLiNE series. These trucks are designed around the integrated lithium-ion battery and are therefore more compact, more manoeuvrable and easier to handle. A real plus point for users and an important aspect when deciding in favour of Jungheinrich.

01
The lithium-ion batteries can be easily recharged between uses, for example during a break



FOR MORE FREEDOM: RENTING INSTEAD OF TYING-IN.

Jungheinrich's innovative rental model offers maximum flexibility: CEVA can easily adapt its fleet to changing requirements. Whether seasonal peaks or new challenges the scalable solution guarantees maximum availability and reduces unnecessary costs. At the same time, proactive fleet management ensures that CEVA is always one step ahead without ever wasting capacity. And with this concept, Jungheinrich delivers not so much the actual trucks, but primarily a service based on the optimisation of fleet deployment.

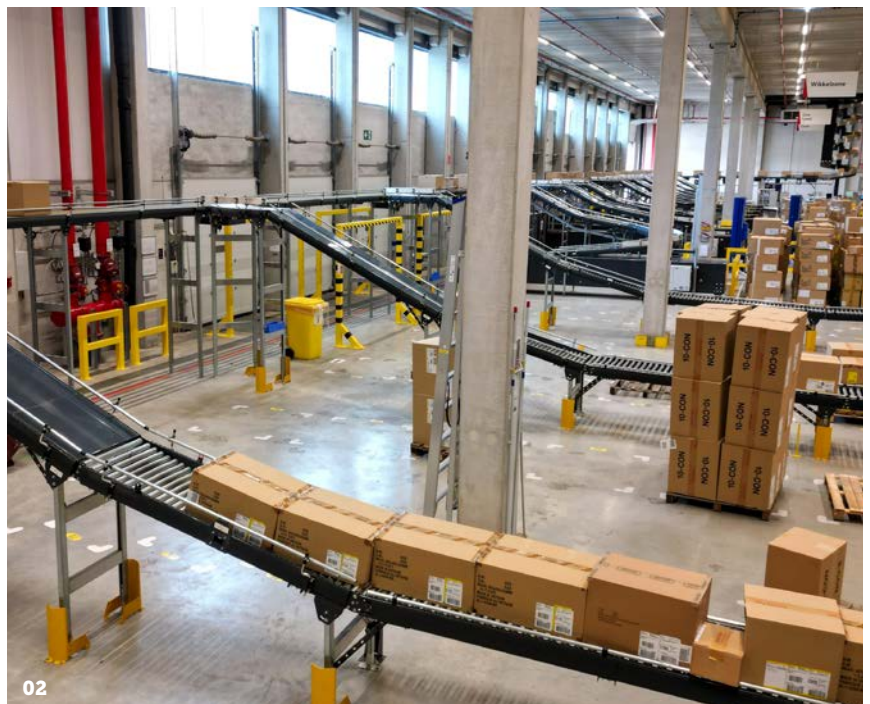
ENERGISED FOR THE FUTURE.

Furthermore, CEVA is thinking ahead. The 40,000 m² solar system on the roof of the distribution centre supplies significantly more energy than is currently required for the power banks and vehicles. The next step? Jungheinrich and CEVA are working together to utilise this surplus green energy for sorting systems, conveyor technology and other processes. In this way, Grobendonk will not only become a flagship project for sustainable logistics, but also a pioneer for holistically efficient energy utilisation a real statement for the future.



01
Easily recognisable: the solar panels on the roof of the building for independent and sustainable energy generation.

02
The logistics processes are largely automated.



THE PROJECT AT A GLANCE



Client:	CEVA Logistics
Industry sector:	Logistics
Size of the company:	250 employees
Location:	Grobbendonk, Belgium
Storage size:	50,000 m ²

CHALLENGE

Increasing efficiency and sustainability by switching from lead-acid to lithium-ion technology while simultaneously reducing costs.

JUNGHEINRICH SOLUTION

Provision of 54 lithium-ion trucks and a centralised charging infrastructure with 20 power banks powered by green electricity.

RESULTS

An optimised, low-emission logistics operation with a reduced fleet, flexible scalability and significantly increased efficiency.

IMPRESSIONS

Efficiency in 2-shift operation: lithium-ion technology for 50,000 m² hall size.



Compact, manoeuvrable and powerful: the Jungheinrich horizontal order picker with maximum picking performance and optimum energy efficiency.

