

Jungheinrich customer reference

Comprehensive energy solution for Reichenau-Gemüse.



 **JUNGHEINRICH**

Sustainable production with lithium-ion power.

A perfect island location, 1,250 hours of sunshine between May and October, as well as a high level of professionalism, are the basis for the organic production of 15,000 tonnes of fresh vegetables per year at Reichenau-Gemüse. In order to make the transport of goods more energy-efficient and to optimise the use of existing energy sources, the producer has converted its fleet to lithium-ion technology. A fleet of 41 lithium-ion trucks, combined with stationary chargers and active load management, ensure maximum energy efficiency, reduced costs and lower emissions.

COMPREHENSIVE ENERGY CONSULTING.

In order to develop a customised solution, Jungheinrich's energy experts first analysed the initial situation at Reichenau-Gemüse's warehouse. Limited energy resources on site and cooling systems with high energy requirements called for a special energy and charging concept. "The partnership with Jungheinrich is so valuable to us because it is based on a high level of expertise," explains Managing Director Johannes Bliestle, who is delighted with the result and pleased with the minimised operating costs in the area of energy supply.

FUTURE-PROOF LITHIUM-ION FLEET.

In addition to low-level order pickers, Reichenau-Gemüse's versatile fleet of trucks also includes stacker and pallet trucks, which are not only energy-efficient but also score highly in terms of ergonomics. Using the powerful SLH 700i chargers, the lithium-ion batteries can be rapidly and booster charged during work. The active load management regulates the energy distribution at peak charging times so that each truck receives precisely the charging capacity it needs. This guarantees maximum availability at all times during demanding multi-shift operation.

PROFITABLE COLLABORATION.

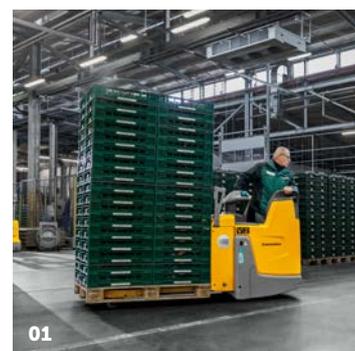
Jungheinrich was keen to further establish sustainable battery technology at a special site such as the island of Reichenau, which is a world heritage site. Thanks to the fleet changeover, the customer is saving significant energy in comparison with lead-acid batteries and benefiting from around 30% greater energy efficiency. This conserves both the company's resources and the

**Maximum
efficiency,
low emissions.**

environment in general. "It's no coincidence that we have been working closely with Jungheinrich for decades to constantly develop new innovative solutions for our materials handling," summarises Johannes Bliestle following successful completion of the project.

01
Reliable performance even when not fully charged: industrial trucks with lithium-ion technology.

02
Short charging times and high availability: The charger SLH 700i impresses with efficiency rates of up to 94 %.



THE PROJECT AT A GLANCE



Customer:	Reichenau-Gemüse eG
Industry:	Food
Company size:	> 100 employees
Location:	Reichenau Island, Baden-Württemberg, Germany
Warehouse size:	storage area of approx. 5,000 m ²

CHALLENGE

Development of a customised energy concept to increase sustainability and the installation of a powerful lithium-ion fleet, with consideration for the limited energy resources on site.

JUNGHEINRICH SOLUTION

Order pickers, as well as stacker and pallet trucks with Li-ion technology, stationary chargers and active load management, for optimum regulation of energy distribution within the fleet.

RESULTS

Successful consulting from Jungheinrich energy experts and the subsequent fleet changeover to lithium-ion technology, resulting in improved energy efficiency, reduced emissions and lower costs for the customer.

IMPRESSIONS

15,000 tonnes of fresh vegetables per year and over 5,000 m² of storage space – order pickers are essential, especially for production facilities and dispatch warehouses.



Active load management solution for lithium-ion chargers for efficient distribution of the available output to the respective industrial trucks.



Whether loading and unloading, transporting, stacking or order picking: the right solution for every application.