

# "Green Logistics by Galliker" Powered by eCube



Now vehicles, which normally only return to their base in the evening, can also be charged with green power during the night thanks to the integration of the eCube into the existing infrastructure of Galliker Transport AG.

## PROFILE

**Client**  
Galliker Transport AG

**Trade**  
Transport

**Special feature**  
Connection of up to 5 charging stations

**Region, Country**  
Altishofen, Luzern, Switzerland

**"We are very pleased that with the eCube we have been able to implement a further measure that will contribute to the sustainable supply of energy for our fleet of electric vehicles".**

Peter Galliker,  
CEO, Galliker Transport AG

### Goals achieved and Implementations

The successful implementation of the eCube project has brought tangible benefits to Galliker.

**Sustainable energy supply** With the eCube, Galliker Transport AG has secured a constant, environmentally friendly power supply for its fleet. Through the clever use of solar energy, Galliker is setting new standards for electric mobility in the transport sector.

**Fast integration** The eCube is characterised by its fast and uncomplicated integration. It was planned, delivered and

commissioned in a very short time, allowing Galliker to benefit immediately from the advantages of generating its own electricity.

**Cost savings and increased efficiency** The peak shaving of the eCube has resulted in significant energy cost savings for Galliker Transport AG. The use of self-generated electricity with the eCube makes the operation not only sustainable, but also extremely cost-effective.

**The result:** smooth operations with increased profitability.



## The Initial Situation

The Galliker Group is a leading Swiss logistics company offering a comprehensive range of transport, warehousing, distribution and value-added services in the Car & Bike, Cargo, Food & Frigo, Healthcare and Walkingfloor segments.

Since 1918, the Galliker Group has focused on quality, reliability and innovation to meet its customers' needs and provide tailor-made logistics solutions.

The company has been headquartered in Altishofen since 1980 and operates 19 sites in six European countries.

With its "Green Logistics by Galliker" programme, the Group aims to continuously reduce the environmental impact of logistics processes and the consumption of non-renewable resources.

## PROJECT FACTS AND FIGURES

### Area network connection

Network layer 5, 4'000 A

### Energy source/s and output

Photovoltaic installation, 3,9 MWp

### Connection eCube

Network layer 5, 1'000 A, fixed

### Battery inverter

eCube 20 TESVOLT PCS

### Battery inverter output

680 kW (ausbaufähig bis 1'020 kW)

### Battery storage

eCube 20 TESVOLT TS HV 90/12-20

### Battery storage capacity

960 kWh (ausbaufähig bis 1'152 kWh)

### Charging/discharging rate

1C

### Charging stations

1x Evttec Ristretto, 2x Evttec Cappuccino, can be expanded to 2x Cappuccino

## The Challenge

Galliker Transport AG attaches great importance to using the latest technologies and environmentally friendly products in all its infrastructure projects, whether new buildings or renovations.

For example, only natural refrigerants are used in its refrigeration systems and the waste heat generated is efficiently used to heat buildings or process water, while the company is continually expanding its portfolio of photovoltaic systems and optimising the networking of buildings to further increase the degree of self-use of electrical energy.

The second site network in the southern part of Altishofen was successfully commissioned. This follows the commissioning of the medium-voltage electricity network in the northern part of the site.

The aim of this network is to make efficient use of the solar energy generated, connecting the Car Logistics buildings, as well as the workshops and the administration building.

Energy storage plays a key role in making solar power available on demand.



## The Solution

The eCube was successfully integrated into the southern grid in Altishofen as part of the project. The solar power generated on site can now be used efficiently at night instead of being fed into the grid during the day.

With a total output of almost 3.9 MWp, the local conditions allowed the installation of three independent charging stations and the construction of two further charging stations has been prepared.

The eEMS is linked to the site's energy management system, which is currently being installed, and monitors the grid connection and optimises consumption at the charging stations.

Better safe than sorry: the alarm function and smoke extraction system, which are part of the eCube's safety components, have been integrated into the site's building management system and fire alarm system.

The successful and rapid implementation of the eCube project in Altishofen is proof of eSpectrum AG's capabilities and forms the basis of the cooperation with Galliker.

