

**FIND YOUR  
E-SOLUTION**



**QUAN  
TRON**



**E-AIRPORT LOGISTIC**

**100% ELECTRIC**

**100% EMISSION-FREE**

**100% POWER**





## DEAR CUSTOMERS,

at Quantron AG, we provide you with innovative and practicable e-mobility solutions for inner-city and regional truck traffic.

We provide a solution for all craft and transport companies affected by driving bans and higher charges. The same applies to companies working in passenger transport, on airports and with our e-waste/recycling vehicles we offer communal transport solutions. We can serve all of your needs - today!

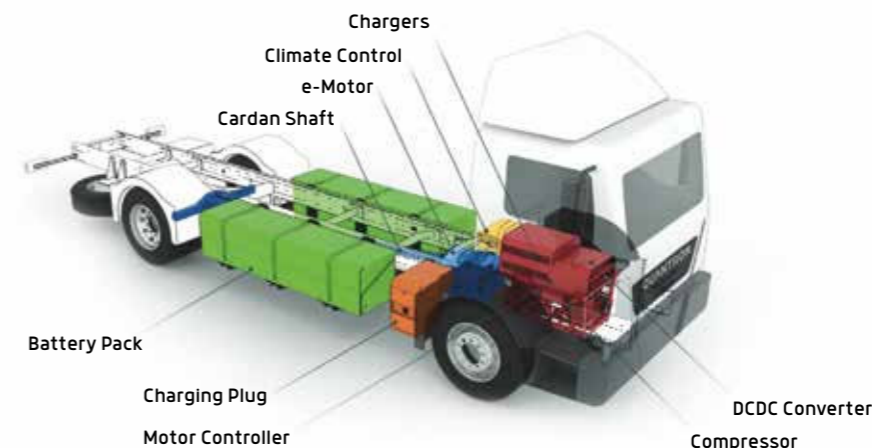
Thanks to our own e-engineering and our e-battery division, we are able to develop and implement individual solutions for you. Get in touch today and we walk you thru from the first to the last step!

Best regards,

Your Andreas Haller | CEO Quantron AG

# QUANTRON E-AIRPORT LOGISTIC

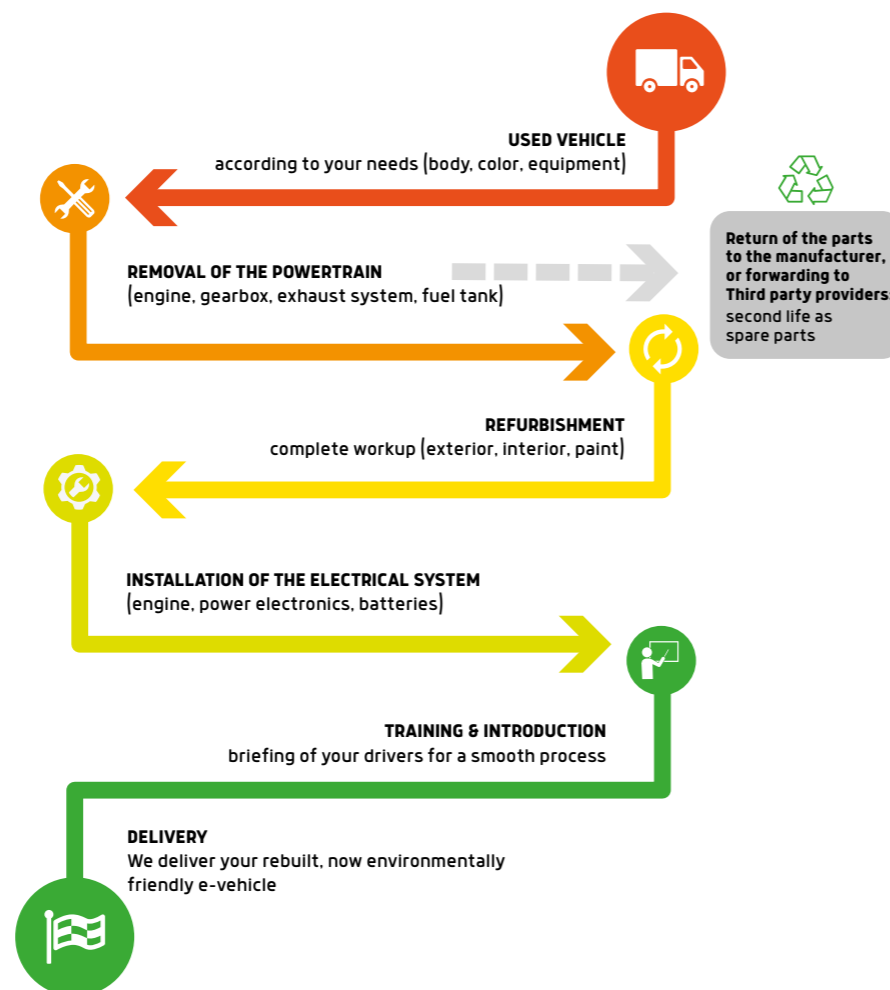
THE FUTURE STARTS NOW! E-MOBILITY FOR YOUR AIRPORT LOGISTIC BUSINESS.



## NEW, STOCK OR USED

Quantron AG offers you field-tested, state of the art and emission-free solutions for your transport of goods or passengers. Here we have different approaches: either we convert and electrify your existing vehicle or we take a young used one from the market. Otherwise we electrify a brand new vehicle - everything according to your individual requirements and wishes.

## OUR SUSTAINABILITY CONCEPT - REMANUFACTURING



## THINK GREEN

### Second Life Vehicle

We give used vehicles and buses a second, environmentally friendly life. A high potential for climate protection and resource management.

### Second Life Battery

Once the batteries reach their physical end as a traction system, we reuse them as energy storage solution (e.g. as energy storage in combination with photovoltaic, for charging e-vehicles and trapping power surges).

## DRIVE

Quantron offers the optimum drive profile for a wide variety of airport vehicles. From vans with 3.49 t to 7.2 t, through the mid-range from 7.5 t to 18 t total weight up to the heavy section from 26 t to 44 t, individual solutions also for passenger transport are available. Efficient and economical: the emission-free drive is individually adapted to the transport task, use of recuperation as braking energy and elimination of the previously usual time-consuming maintenance work.

## APPLICATION / DRIVING EXPERIENCE

The Quantron trucks are quiet and absolutely emission-free when used on the airport apron as well as for deliveries and pick-ups. The drivers, apron employees, airport staff and air passengers are less burdened by noise and air pollution. The good torque development of the electric drive and the simple operation of the e-truck support the driver optimally. Useful additional equipment, such as the GPS tracking, enables a controlled and uncomplicated operation of the electric vehicle fleet.

## CHASSIS

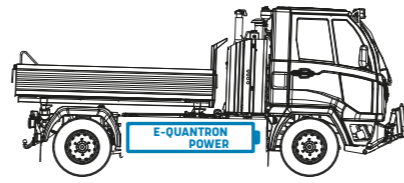
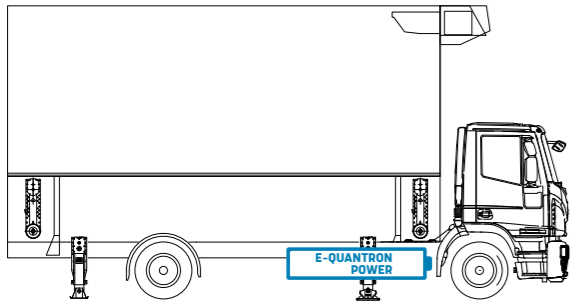
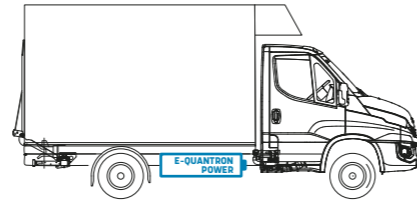
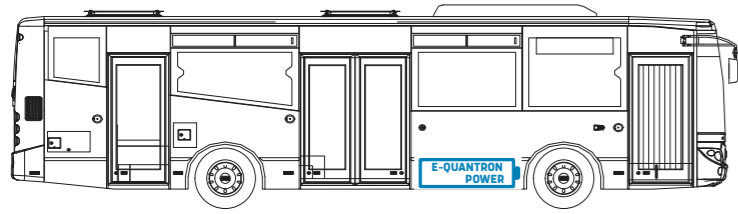
Together with you, Quantron will configure the chassis that best suits your requirements, incorporating your fleet expertise. The requirements for payload, driving performance, range, body configuration and maneuverability are taken into account individually.

## BATTERY

Your Quantron truck is equipped with modular battery packs. By analyzing your specific mission profile, we configure the ideal battery capacity for your application. This results in the required ranges with optimal loading times and necessary payload.



## E-AIRPORT LOGISTIC



Power: 80 - 550 kW

Battery: 80 - 630 kWh

Range: up to 500 km

3,49 t - 44 t

The work on the airport apron as well as pick-ups and deliveries on the site are usually all handled with appropriate vehicles. They have a wide variety of sizes and superstructures in order to serve their purpose optimally: including catering vehicles, toilet disposal and fresh water vehicles, apron security vehicles, green area maintenance vehicles, shuttles, baggage transport vehicles as well as tractors for baggage trailers, lighting vehicles, fire protection and security vehicles.

They should be safe, robust, durable and easy to work with.

In the meantime, however, another increasingly important factor has come into play: these vehicles should also be environmentally friendly. But this can hardly be

guaranteed with conventional combustion engines. They do not reach the necessary operating temperature to comply with the exhaust emission standard because of short driving distances and frequent stops. This also increases fuel consumption and wear.

E-mobility clearly scores here: for these low-noise and zero-emission vehicles, the operating temperature is irrelevant. The performance of the electric drive is perfect in all operating and transport conditions. The drivers, apron employees, airport staff and air passengers are less burdened by noise and air pollution. In addition, these vehicles are always used on the same routes or in the same tasks. Thus, the respective battery capacities can be configured cost-efficiently and intelligent charging concepts can be integrated into daily use.



### Q-Benefit

Ecological and economical: everything from a single source, cost savings, ideal for stop and go applications, new delivery potentials, more efficient processes, better working environment.



### Q-Consult

Individual analysis of the status quo: vehicles, cargo, route profiles, range, charging infrastructure, energy concepts, Performance audit: cost analysis [expenditure, savings], government subsidies, financing, Application of the individual possible subsidy.



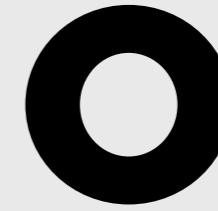
### Q-Truck

Sector solutions according to the individual mission profile: model, construction, equipment, performance, range. Due to our own e-engineering we are able to create special solutions.



### Q-Emotion

Conservation of resources thanks to remanufacturing. Quiet and emission-free driving. Max. torque right from the start. Compensation of CO2 emissions of the battery production by the conversion of used and stock vehicles.



## FIND YOUR E-SOLUTION



### Q-Experience

Over 136 years of experience in the commercial vehicle business out of the Haller Group.

We know the vehicles, the market and requirements.



### Q-Service

The focus is set on economic efficiency, flexibility and mobility for the customer. Service, maintenance and repair with reliability and quality at over 700 service points all over Europe.



### Q-Finance

Individual solutions for purchase, financing and leasing in order to be cost-efficient on the road with your Q-Truck.



### Q-Power

Battery solutions for every requirement. We find the suitable battery capacity and put together your individual battery configuration.

Very high availability.



### Q-Charge

Green power and intelligent charging solutions (charging stations at your company and e.g. at unloading points for intermediate charges on the way) to increase efficiency and to minimize charging times and costs.

## QUANTRON NETWORK: STRONG TOGETHER

### Combined quality for your commercial vehicles in more than 700 service centers throughout Europe!

Alltrucks Truck & Trailer Service - that's our answer for your commercial vehicle service. As a partner of the full-service workshop concept of the three leading suppliers Bosch, ZF and Knorr-Bremse, we offer you quality and competence at the highest level. For the service, maintenance and repair of your entire commercial vehicle fleet. Whether transporter or truck, whether MAN, Mercedes, Scania, IVECO or DAF, we support and help you, so that you can concentrate on the essentials: the problem-free processing of all your orders.

**ALLTRUCKS**  
TRUCK & TRAILER SERVICE



**QUANTRON AG HEADQUARTER**  
AUGSBURG, GERMANY

**QUANTRON AG SALES POINTS**  
ULM, GERMANY  
OSLO, NORWAY  
BOLOGNA, ITALY  
MARTINEZ VILLERGAS, SPAIN  
TEL AVIV, ISRAEL  
RIO DE JANEIRO, BRAZIL  
LAGOS, NIGERIA



# STANDARDIZED LI-ION TRACTION BATTERY

## Standardized Li-Ion traction battery

- Serial and/or parallel interconnectable
- Convert existing or smaller vehicle series to electromobility
- Modular NMC-based battery solutions
- Requirements analysis regardless of the vehicle type



serial and/or parallel interconnectable



2.5 - 720 kWh module energy



24 - 800 V module voltage



DOD (depth of discharge) 90%



temperature control



battery management system



CAN-BUS

## E-MOBILITY | E-ENGINEERING | E-BATTERY



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