

**WE ARE YOUR  
E-SOLUTION**



**QUAN  
TRON**



## **Q-COMMUNAL ECONOMY**

**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 passenger and freight traffic. We are already providing answers for all crafts enterprises, passenger transport and logistic companies affected by driving bans and higher charges, as well as for airports and municipal companies with our e-waste vehicles. Thanks to our commercial **vehicles with fuel cell systems (hydrogen)**, we also offer emission-free alternatives for long-distance transport missions. We can serve all of your needs - today! Thanks to our own Q-Engineering and our **Q-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 | Founder and CEO Quantron AG

## 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. 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.

## QUANTRON INFRASTRUCTURE

No matter if charging station or wallbox, if classic or fast charger, we support you with the necessary infrastructure according to your requirements. For easy handling, modern payment systems are integrated into our Q-Charging models.

## THINK GREEN

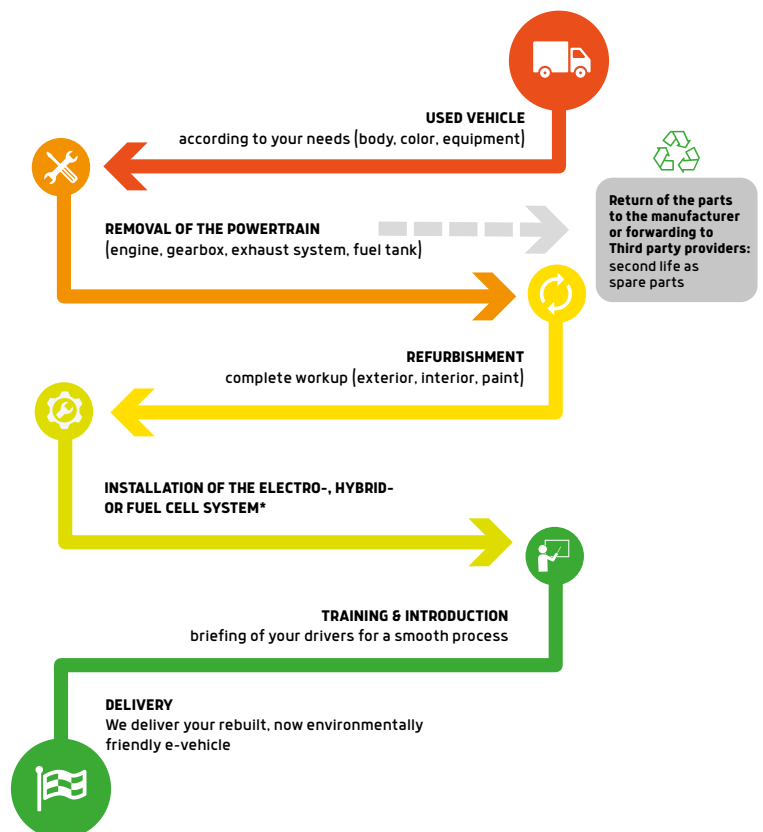
### Second Life Vehicle

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).

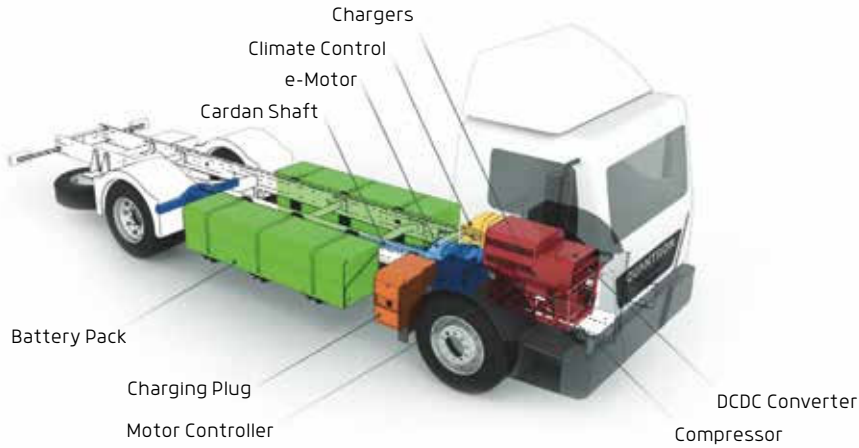
## OUR SUSTAINABILITY CONCEPT - Q-REMANUFACTURING



\*[depending on the type of drive, the corresponding components such as motor, batteries, power electronics, fuel cell, hydrogen tanks are installed]

# QUANTRON E-COMMUNAL ECONOMY

**THE FUTURE STARTS NOW! E-MOBILITY FOR YOUR COMMUNAL BUSINESS.**



## DRIVE

Quantron offers the optimum drive profile for a wide variety of municipal vehicles: for disposal with 3-axle chassis, roll-off container and skip loader transport as well as suitable solutions for vans or light trucks with double cab and box body. 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.

## 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.

## APPLICATION / DRIVING EXPERIENCE

The Quantron trucks are quiet in operation and absolutely emission-free. The drivers, fleet employees and citizens 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.

## 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.



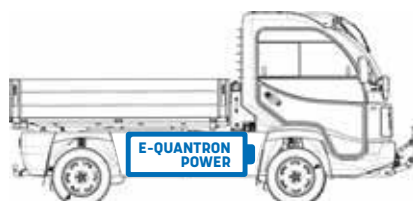
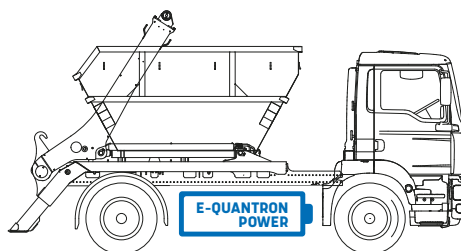
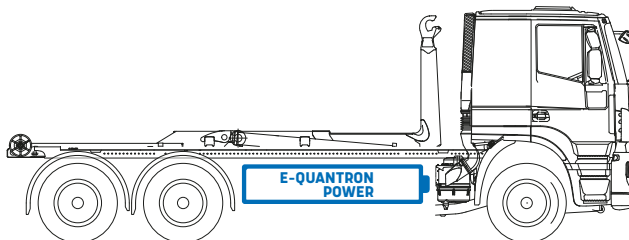
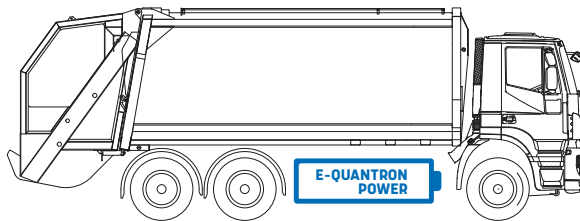
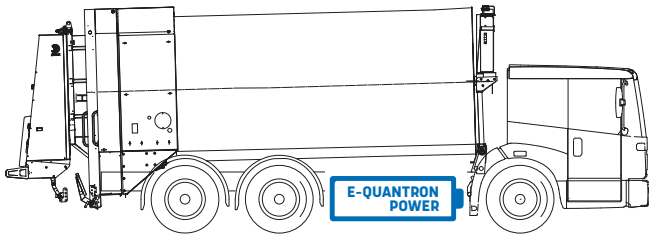


Power: 2x16 - 550 kW

Battery: 49,5 - 630 kWh

Range: up to 500 km

< 3,49 t - 44 t



## Q-COMMUNAL ECONOMY

The tasks in the municipal sector are broadly diversified, such as waste disposal, road maintenance and operational services (e.g. road construction, green and wood maintenance, street cleaning, breakdown service) as well as work on municipal parks, playgrounds and schools.

Whether transporter or truck, the vehicles are in daily use on the roads. However, our society is becoming more and more aware of environmental issues, which is increasing the pressure on local authorities. The future CO2 targets can only be achieved if, among other things, there are major changes in the transport sector. The municipalities can and must act as pioneers here.

This is because municipal vehicles are predestined for conversion to electric vehicles. Not only the required ranges for the respective application areas speak for it, but also the charging possibilities. These vehicles are only used at certain times or in smaller areas and can then be recharged. In addition, the municipal vehicles will move quietly and emission-free through the communities and cities in the future. This not only improves the living conditions of local residents, but also the working conditions of drivers and employees.

Especially for short distances with frequent stops diesel vehicles are less suitable. They do not reach the necessary temperature to comply with the exhaust emission standard. This is particularly bad for residents and visitors to parks, playgrounds and schools. In addition, this way of driving increases fuel consumption and wear. By comparison, e-mobility clearly scores here: due to the max. torque right from the start the vehicles have enough power for every application, battery capacities are dimensioned cost-efficiently, maintenance and operating costs as well as wear are lower.



### 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.



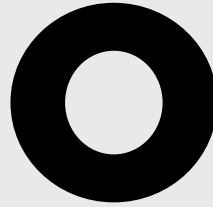
### Q-Truck

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.



## WE ARE YOUR E-SOLUTION



### Q-Experience

Over 138 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 rent, 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.



KNORR-BREMSE



BOSCH



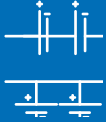
**QUANTRON AG HEADQUARTER**  
**AUGSBURG, GERMANY**

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



## STANDARDIZED LI-ION TRACTION BATTERY

- Convert existing or smaller vehicle series to electromobility
- Modular NMC-based battery solutions
- Requirements analysis regardless of the vehicle type
- Safety patent



serial and/or parallel  
interconnectable



2.5 - 720 kWh  
module energy



24 - 800 V  
module voltage



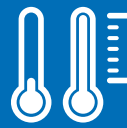
CAN-BUS



battery management  
system



DOD (depth of  
discharge) 90 %



temperature  
control



Official european importer

## Q-MOBILITY | Q-BATTERY | Q-ENGINEERING



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### PRESENTED BY:

