

**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 & Chairman of the Board of Quantron AG

NEW, STOCK OR USED

Quantron AG offers you field-tested e-mobility for emission-free passenger and freight transport on the road. There are various options: we use already available resources and electrify your existing vehicles. Likewise, we can also convert suitable used vehicles on the market for you. And if requested, we can supply you with a new e-commercial vehicle. We fully comply your requests, analyse your individual requirements and are at your side providing support and advice.

QUANTRON INFRASTRUCTURE

Regardless whether it is a charging station or wallbox, a 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

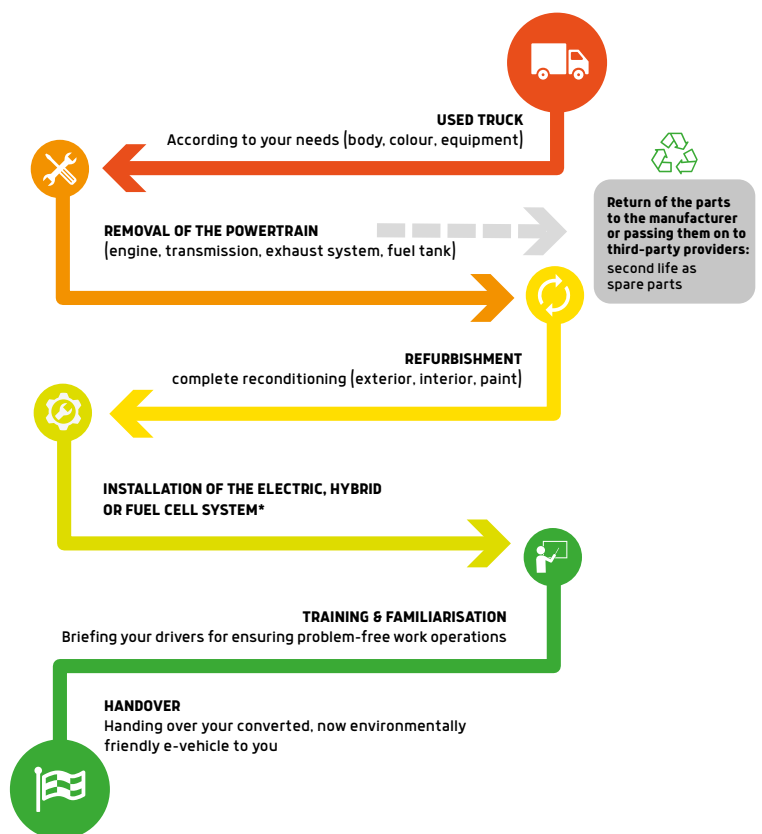
Second Life Vehicle

We give used commercial vehicles and buses a second, environmentally-friendly life - strong future potential for climate protection and resource management.

Second Life Battery

After 6-8 years, the used batteries enter into their second life in the stationary area (e.g. in connection with photovoltaics as energy storage, for charging e-vehicles and intercepting power peaks).

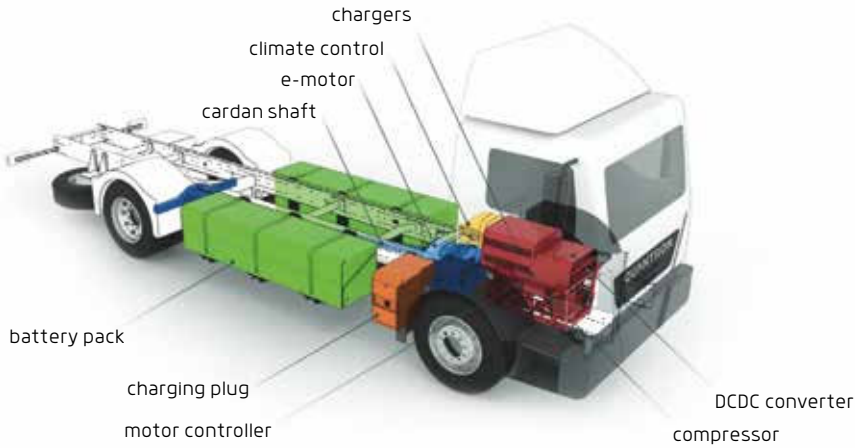
OUR SUSTAINABILITY CONCEPT - Q-REPOWERING



*[depending on the type of drive, corresponding components such as E-motor, batteries, power electronics, fuel cells, 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.

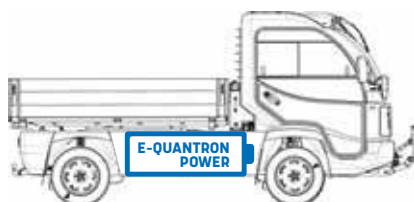
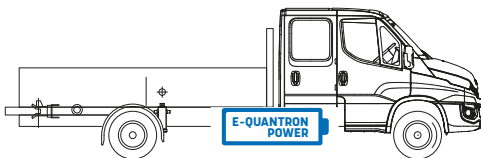
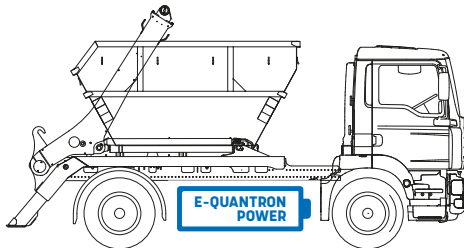
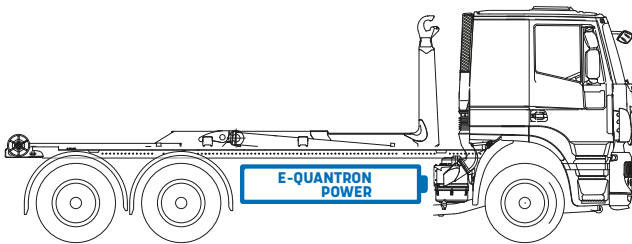
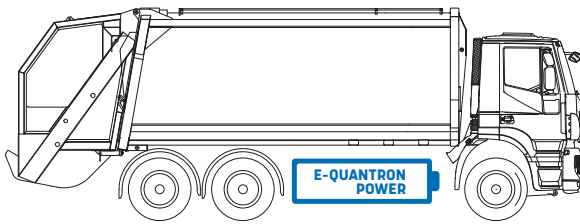
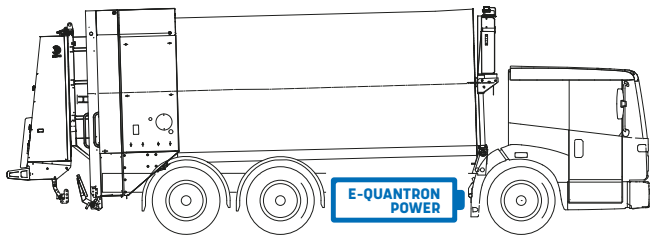
APPLICATION / DRIVING EXPERIENCE

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.





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.

⚡ 2x16 - 550 kW

🔋 49,5 - 630 kWh

📍 up to 500 km

🏗️ < 3,49 t - 44 t



Q-Benefit

Ecological and economical: everything from a single source, cost savings, ideal for stop-and-go operations, new delivery potential, more efficient processes, improved working environment.



Q-Consult

Individual analysis of the status quo: vehicles, cargo, route profiles, range, charging infrastructure, energy concepts as well as performance audit: cost analysis (expenditure, savings), government subsidies, financing. Application for possible individual-based funding.



Q-Truck

Industry-specific solutions according to the individual deployment profile: model, design, equipment, performance, range. Thanks to our own e-engineering, special solutions can also be realised.



Q-Emotion

Resource conservation thanks to re-manufacturing. Quiet and emission-free driving. Immediate maximum torque from a stationary position. Compensation for CO2 emissions from battery production by converting used and existing vehicles.



Q-Power

Battery solutions ranging from A for selecting the most appropriate battery capacity through to Z for putting together individual battery configurations. Very high availability.



Q-Experience

Over 138 years of experience in the commercial vehicle business of the Haller Group. We know the vehicles, market and requirements.

We are your
e-solution



Q-Charge

Green power and intelligent charging solutions (charging stations at your premises and, for example, at unloading points on the way) to increase efficiency and to minimize charging times and costs.



Q-Service

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



Q-Finance

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

////////////////////// **QUANTRON NETWORK: STRONG TOGETHER!** ////////////////////////

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

Alltrucks Truck & Trailer Service - that's our answer for your commercial vehicle maintenance and repairs. 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 very highest level. And namely for the service, maintenance and repair of your entire commercial vehicle fleet. Regardless of whether it is a transporter or truck, whether MAN, Mercedes, Scania, IVECO or DAF, we support and help you so that you can fully concentrate on what is essential: the problem-free processing of all your orders.



KNORR-BREMSE



BOSCH



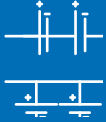
QUANTRON AG HEADQUARTER
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QUANTRON AG SALES POINTS
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OSLO, NORWAY
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RIO DE JANEIRO, BRAZIL
LAGOS, NIGERIA
FERNDALE, MI USA



STANDARDIZED LI-ION TRACTION BATTERY

- Individual, cost-effective, flexible and powerful battery solutions for different applications
- Convert existing or smaller vehicle series to electromobility
- Save up to 500.000 € development and certification costs
- Configured within a few hours, regardless of vehicle type
- Safety patent



serial and/or parallel
interconnectable



2,5 - 720 kWh
module energy



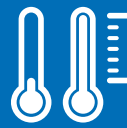
24 - 800 V
module voltage



battery management
system



DOD (depth of
discharge) 90 %



temperature
control



Official service partner

Q-MOBILITY

Q-POWER

Q-SERVICE



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