

**QUANTRON BASED ON**

**THE IVECO DAILY**

**Q-LI 100 % ELECTRIC**

**Q-LIH PLUG-IN-HYBRID**



**QUANTRON**



**FIND YOUR**

**E-SOLUTION**

**THE FUTURE BEGINS NOW!**

**EVERYDAY E-MOBILITY IN THE CITY CENTRE AND  
SUPRAREGIONAL FREIGHT TRANSPORT.**



## 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

## 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.

## THINK GREEN

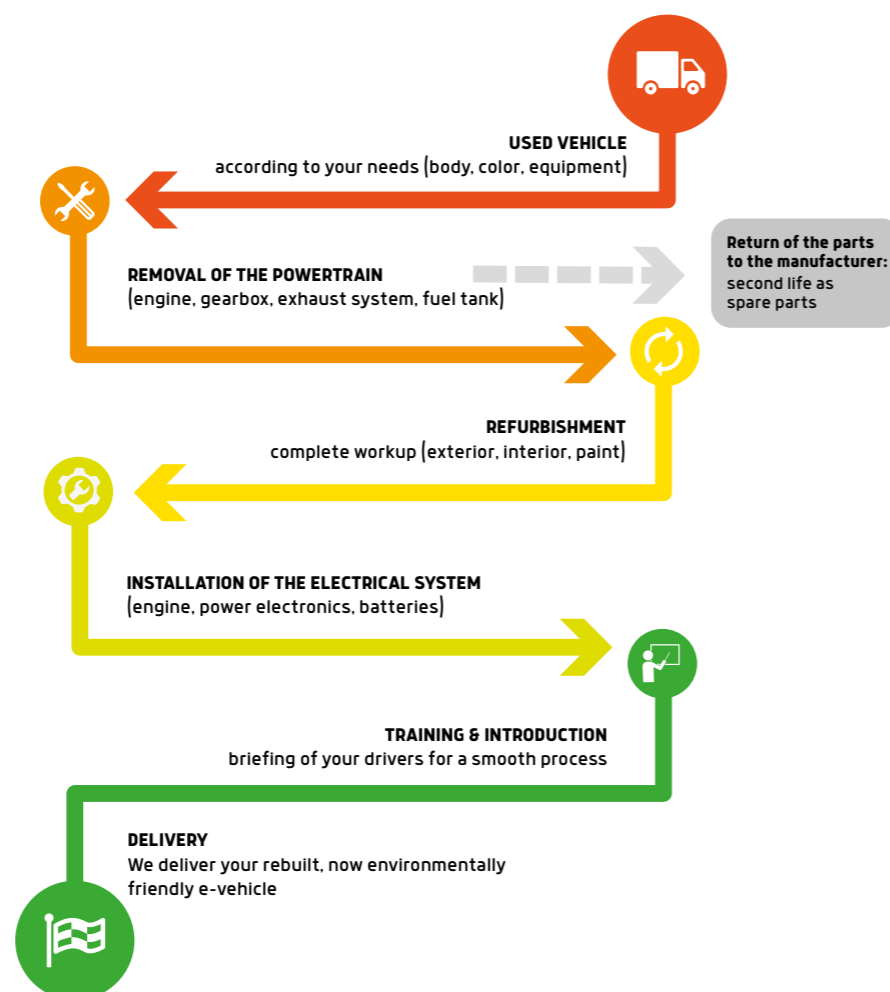
### Second Life Vehicle

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 - REMANUFACTURING



## EV-MODELS

### EFFICIENT

The modern electric motor with direct drive ensures high efficiency and a long range.

### INTELLIGENT

The intelligent electric vehicle is always connected to the data-Cloud analysis tool. Performance data and transport control can be performed using the Android App or the Windows FMS application.

### LONG LIFE

High-quality and robust components are used. Developed for heavy-duty applications and a long service life.

### DRIVE LINE

Small but powerful: the motors deliver up to 1150 Nm (PHEV) and up to 1250 Nm (EV) torque. The Li-Ion battery systems are perfectly designed for commercial applications. The integrated BMS (Battery Management System) ensures trouble-free and long-lasting energy storage with over 2500 (EV) and over 3000 (PHEV) charge cycles.

## PHEV-MODELS

### EFFICIENT

The hybrid engine control system regulates the electric and diesel engines. In combined drive mode, fuel consumption is reduced by up to 35%.

### INTELLIGENT

Via GPS control, the intelligent plug-in hybrid vehicle reacts immediately when you drive into a green low emission zone and automatically switches to the purely electric driving mode.\*



\*As long as the green zone in the operational area is indicated via GPS.

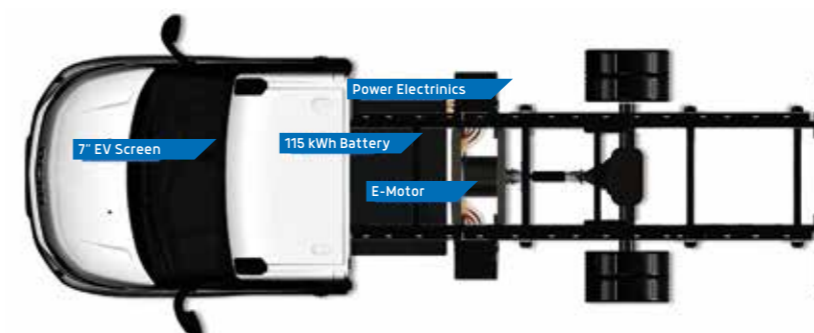
### OPERATOR PANEL / TOUCHSCREEN

The 7-inch touchscreen is seamlessly integrated into the original dashboard cut-out. Drivers can see energy efficiency, among other things.

### AIR CONDITIONER / HEATING SYSTEM

A 4 kW electric heater and a 4.5 kW automatic climate control system are integrated in the automatic climate control system.

## EXAMPLE SETUP EV



Our offer of e-commercial vehicles in this segment ranges from 3.5 to 7.2 tons and is based on IVECO Daily models

## EV-100 & PHEV-80



Iveco Daily 35S12V



Iveco Daily 35S12

## EV-150 & PHEV-120



Iveco Daily 50/65C15/18



Iveco Daily 70/72C15/18

	EV-100	EV-150	PHEV-80	PHEV-120
<b>Performance</b>				
<b>Power EV-Mode</b>	99 kW (135 PS)	147 kW (200 PS)	81 kW (110 PS)*	118 kW (160 PS)*
<b>Torque EV-Mode</b>	1150 Nm	1250 Nm	950 Nm	1150 Nm
<b>Top Speed (EV)</b>	90 km/h	80 km/h	80 km/h	80 km/h
<b>Top Speed (Hybrid)</b>	-	-	140 km/h	100 km/h
<b>Range E-Mode</b>	250 km	220 km	50 km	70 km
<b>Cooling</b>	Liquid	Liquid	Liquid	Liquid
<b>Drive System Weight</b>	170 kg	170 kg	110 kg	120 kg

<b>Battery Specifications</b>				
<b>Capacity</b>	75 kWh	115 kWh	20 kWh	29 kWh
<b>Voltage</b>	400 V	400 V	295 V	400 V
<b>Cell Type</b>	NMC	NMC	LiFePo	LiFePo
<b>Charge / Fast Charge Power</b>	19.8 kW / 50 kW	19.8 kW / 50 kW	6.6 kW	6.6 kW
<b>Charge Time / Fast</b>	4 h / 1.5 h	6 h / 2.2 h	3.5 h	5 h
<b>Battery Lifetime (cycles)</b>	> 2500	> 2500	> 3000	> 3000
<b>Battery Weight</b>	540 kg	760 kg	195 kg	265 kg

Chassis Cab Base Vehicle	Examples:	
<b>Model</b>	Iveco Daily 35S12	Iveco Daily 70C15
<b>Wheelbase</b>	4100 mm	4750 mm / 5100 mm
<b>G.V.W.</b>	3500 kg - 3800 kg	7000 kg - 7200 kg
<b>Cargo Load</b>	800 kg - 1300 kg	3200 kg - 4000 kg

Van Base Vehicle	Examples:	
<b>Model</b>	Iveco Daily 35S12	Iveco Daily 50C15
<b>Wheelbase</b>	4100 mm	4750 mm
<b>G.V.W.</b>	3500 kg - 3800 kg	5000 kg - 5600 kg
<b>Cargo Load</b>	900 kg - 1200 kg	2200 kg - 2600 kg

\*The Power In Hybrid-Mode depends on the choice of basic-vehicle



### 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.



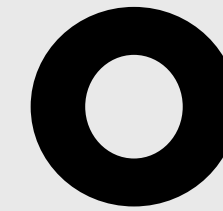
### Q-Truck

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



### QUANTRON AG

Koblenzer Straße 2  
86156 Augsburg, Germany  
Phone: +49 (0) 821- 249 97 90  
Fax: +49 (0) 821- 249 97 97  
Mail: sales@quantron.net  
Web: www.quantron.net

### PRESENTED BY:

