

BEV | FCEV



QUANTRON

Q-Light

QUANTRON QLI

Based on the Iveco Daily

Empower the Future



Quantron AG

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Dear customers,

Quantron AG offers you innovative and practical e-mobility solutions for everyday use and thus makes a sustainable contribution to the decarbonization of road transport. In the Q-Retrofit business unit, we supply you with environmentally friendly transportation solutions as a new vehicle or as a conversion of an existing diesel vehicle to electric drive. You have the choice! We help you reduce your dependence on fossil fuels and thus your CO2 footprint. With our Q-Ecosystem, we also offer you an all-round service package - from consulting on a vehicle tailored to your personal needs to the installation of the appropriate charging infrastructure and the servicing of your fleet.

Contact us, we will accompany you on your way to e-mobility.

Best regards


Yours, Andreas Haller
Founder and Chairman of the Board of Quantron AG

A futuristic cityscape featuring a prominent blue glass skyscraper on the left. In the sky, a blue flying car is visible. In the foreground, a white SUV with 'QUANTRON' branding is partially visible on the right. The ground is a paved plaza with a grid pattern.

Have you heard about
the new normal?

Zero Emission. Full Power. Better Future.



 **QUANTRON**

100% Electric

QUANTRON

 **QUANTRON**



QUANTRON

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QUANTRON Q-LIGHT

QUANTRON's vision is a greener world. With zero-emission commercial vehicles, we are making our contribution to reducing CO2 emissions and thus to achieving global climate targets. We want to change the future in a sustainable way.

From 3.5 to 7.2 metric tons (7.694 to 16.500 lbs): our Q-Light vehicles are available with various environmentally friendly drives: pure electric, or hydrogen. Whether passenger transportation or inner-city deliveries, we have the right model for your needs.



QUANTRON

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QUANTRON Q-Light Daily - BEV

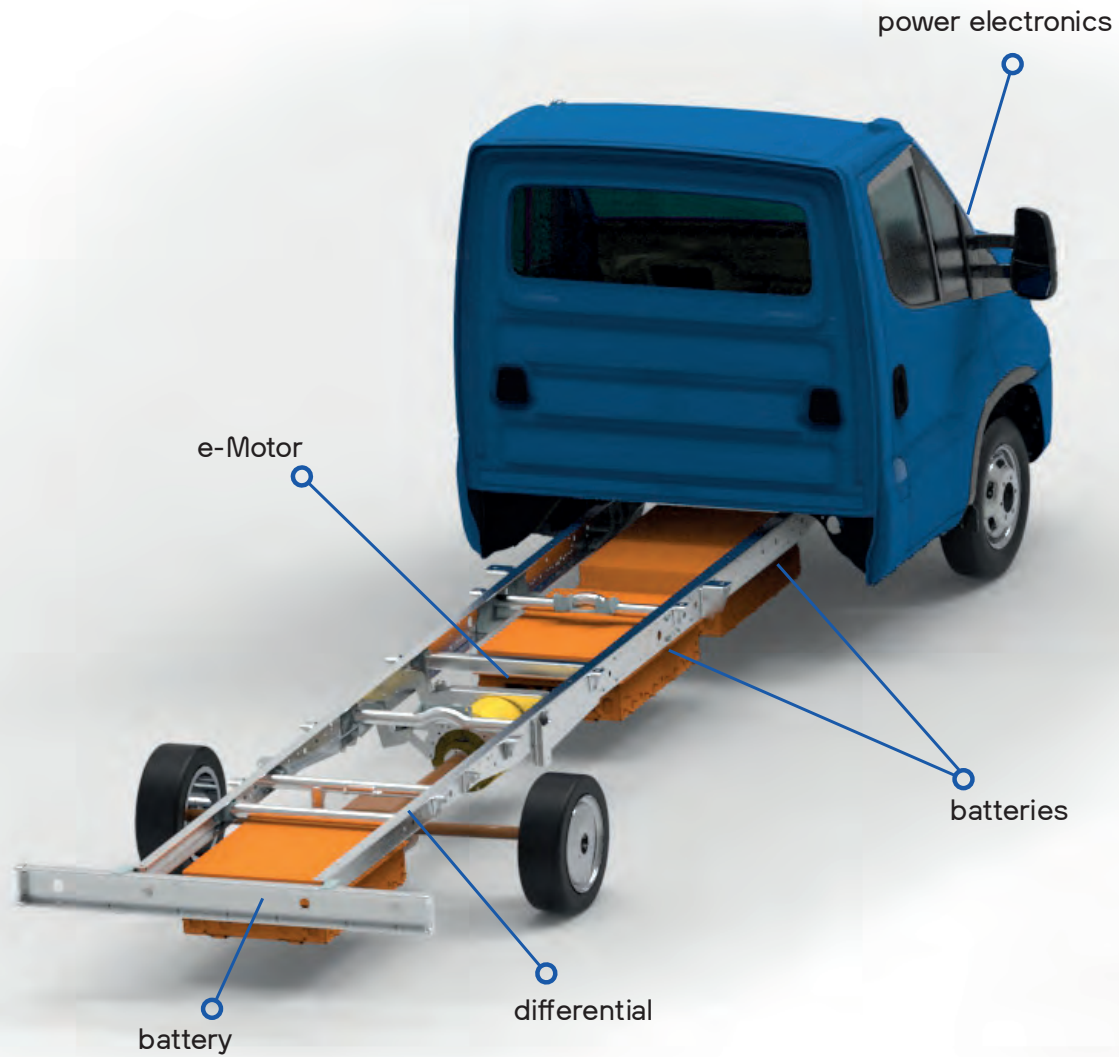
Battery electric models from 3.5 to 7.2 metric tons

The Q-Light BEV models are locally emission-free and quiet on the road, making them ideal for use at the edges of the day and at night. A benefit for residents and employees. Different body variants are available for the 100 % electric transport vehicles. The BEV models can thus be flexibly adapted to customer requirements. Thanks to the fast charging power of 70 kW (BEV 100) or 105 kW (BEV 150) the batteries can be charged in 1h. Ideal for charging during breaks and when loading/unloading the vehicle.

Benefits

- Savings in acquisition costs, as retrofits of existing and used vehicles are possible
- government subsidies*
- Toll and tax exemption
- Quiet and emission-free operation: benefit for residents and employees in and around the vehicles
- New delivery potentials „on the last mile“
- Ideal for stop-and-go: i. a. recovering of brake energy through recuperation
- Lower maintenance, repair and operating costs compared to diesel vehicles
- Higher efficiency (approx. 90 %) compared to diesel vehicles (approx. 35 %)
- Enhancement of own company image through sustainable transports

QLI - 100% elektric (BEV)



Technical Information

	EV-100	EV-150
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Example Configuration:

Performance

Power	100 kW (136 PS)	147 kW (200 PS)
Torque	1150 Nm	1250 Nm
Drive Type	Direktantrieb	
Top Speed ¹	90 km/h	80 km/h
Range ¹	220 km	200 km

Battery Specifications

Capacity	75 kWh	115 kWh
Voltage	400 V	400 V
Cell Type	NMC	NMC
Charge ² / Fast Charge Power	13,2 kW / 70 kW	13,2 kW / 105 kW
Charge Time / Fast	6 h / -1 h	9 h / - 1 h
Battery Lifetime (cycles)	> 2500	> 2500

Van Base Vehicle

Model	Iveco Daily 40C	Iveco Daily 70C
Wheelbase	4100 mm	4100 mm
G. V. W.	4.2 t	7 t
Cargo Load	ca. 1335 kg	ca. 3480 kg

Base Flatbed

Model	Iveco Daily 40C	Iveco Daily 72C
Wheelbase	3750 mm	4350 mm
G. V. W.	4,2 t	7,2 t
Cargo Load	ca. 1470 kg	ca. 3780 kg

Chassis Cab Base Vehicle

Model	Iveco Daily 40C	Iveco Daily 72C
Wheelbase	3750 mm	5100 mm
G. V. W.	4.2 t	7.2 t
Chassis load capacity	ca. 1865 kg	ca. 4240 kg

Other possible models: Iveco Daily 35S, 35C, 45C, 50C, 60C, 65C.

¹ The actual range may vary based on numerous factors including driving style, route, weather and road conditions as well as vehicle condition, usage and equipment

² Since the OnBoardCharger is single-phase, a standard household charging box with a connected load of 11 kW can only be charged with 7 kW.



QUANTRON Q-Light Daily - FCEV

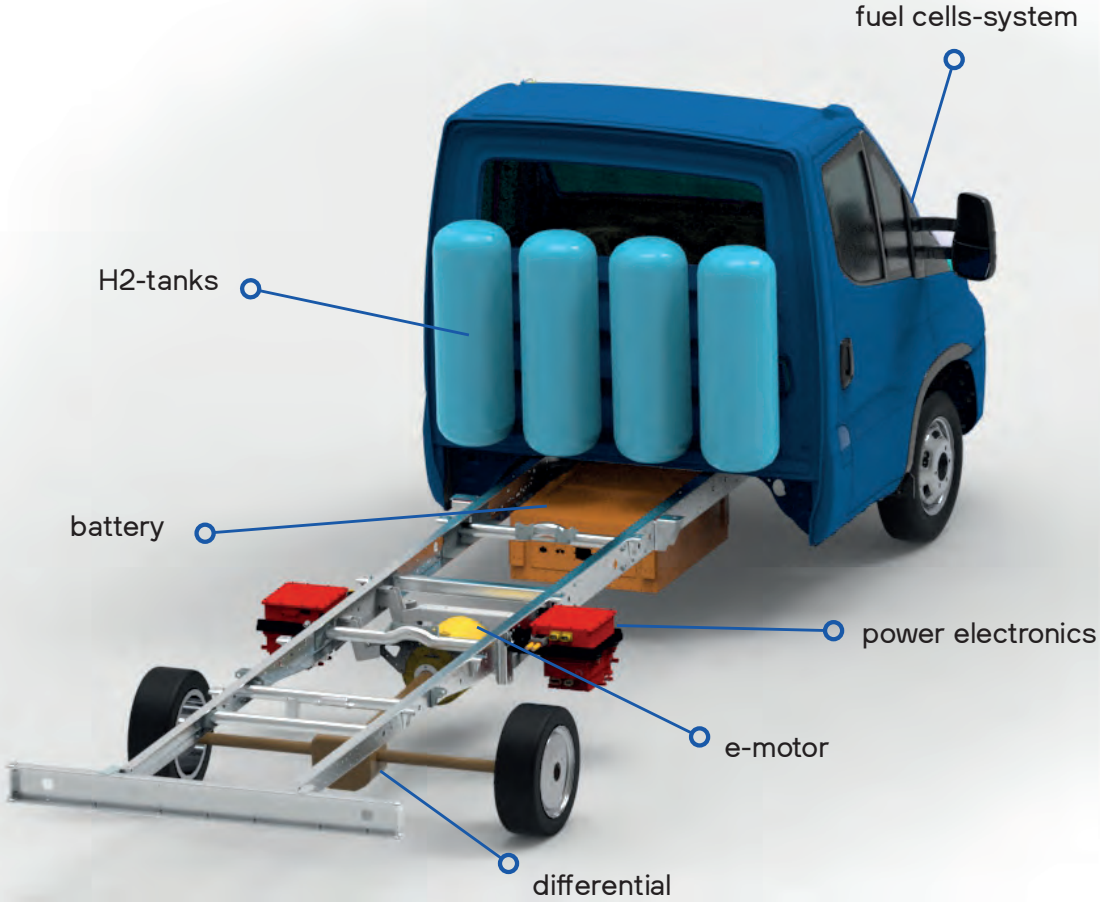
Fuel-cell transporter from 3.5 to 4.2 metric tons

Thanks to its wide range of superstructures the Q-Light FCEV can be used flexibly in different areas of application, e. g. in the logistics industry or as a delivery vehicle. Thanks to its quiet and emission-free drive, the transporter can also be used during the day and at night. The payload of the Q-Light FCEV is analogous to that of a comparable diesel vehicle, the same applies for the refueling time. Depending on requirements, the vehicle can be equipped with up to three hydrogen tanks (altogether 6.3 kg) and thus achieve a range of up to 350 km.

Benefits

- Possible savings in acquisition costs through the retrofitting of existing and used vehicles
- Government subsidies*
- Powerful fuel cell with up to 50 kW
- Short refueling times (similar to diesel)
- Emission-free transport for short and long distances
- Use of lost heat from the fuel cell, e.g. to heat the interior (electricity savings for more range)
- High ranges through the use of a fuel cell
- High quality fuel cell system from our partner network
- Enhancing of own corporate image through sustainable transportation

QLIH2 - Hydrogen (FCEV)



Technical Information

FCEV-100

Performance

Power e-mode	100 kW (136 PS)
Torque e-mode	1150 Nm
Drive Type	Direktantrieb
Top Speed	90 km/h
Hydrogen alltogether	6.3 kg
Range ¹	max. 350 km
Power fuel cell	50 kW

Battery Specifications

Capacity	37 kWh
Voltage	400 V
Charge Power	6.6 kW
Charge Time	6 h
Battery Lifetime (cycles)	3000

Example Configuration:

Van Base Vehicle

Model	Iveco Daily 40C
Wheelbase	4100 mm
G.V.W.	4.2 t
Cargo Load	ca. 1100 kg

Base Flatbed

Model	Iveco Daily 40C
Wheelbase	4100 mm
G.V.W.	4.2 t
Cargo Load	ca. 1150 kg

Basis Chassis

Model	Iveco Daily 40C
Wheelbase	3750 mm
G.V.W.	4.2 t
Chassis load capacity	ca. 1600 kg

¹The actual range may vary based on numerous factors including driving style, route, weather and road conditions as well as vehicle condition, usage and equipment



100% ELECTRIC
HOME DELIVERY



SCHRACK
LUMEN

Chassis & Superstructures

Our three drive systems can be integrated into all chassis with different wheelbases and superstructures. You will therefore find tailor-made solutions for any transport requirements with the best driving dynamics and stability as well as ideal load distribution.



Van Vehicle



Flatbed/Rear Tipper



Dry Freight Case



Bus



Flatbed/Rear Tipper
(long wheelbase)



Refrigerated Case



MAERSK



Safmarine



MAERSK

HAMBURG SÜD

QUANTRON

国海运

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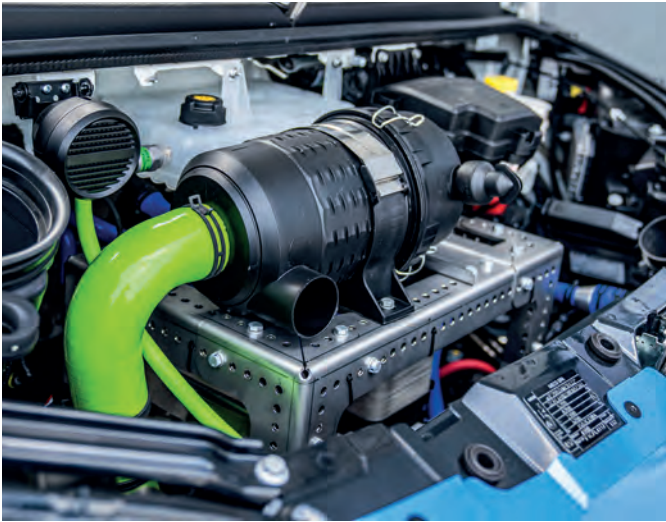
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The QUANTRON Q-Light Daily BEV & FCEV in detail



View of the engine compartment with fuel cell



Battery and power electronics (BEV)



Interior

Due to a legal exemption electric commercial vehicles up to max. 4.2 tons gross vehicle weight may still be driven with the current class B driver's license.

Our e-vehicles based on the Iveco Daily 40C (4.2 tons) fall precisely within this regulation. This compensates for the extra weight of the drive system.

Just contact us! The vehicle configuration for other special superstructures can be checked individually.

Our way to a better future

QUANTRON Infrastructure

Regardless whether it is a charging station or wall-box, a conventional charging unit 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 - great potential for climate protection and resource management.

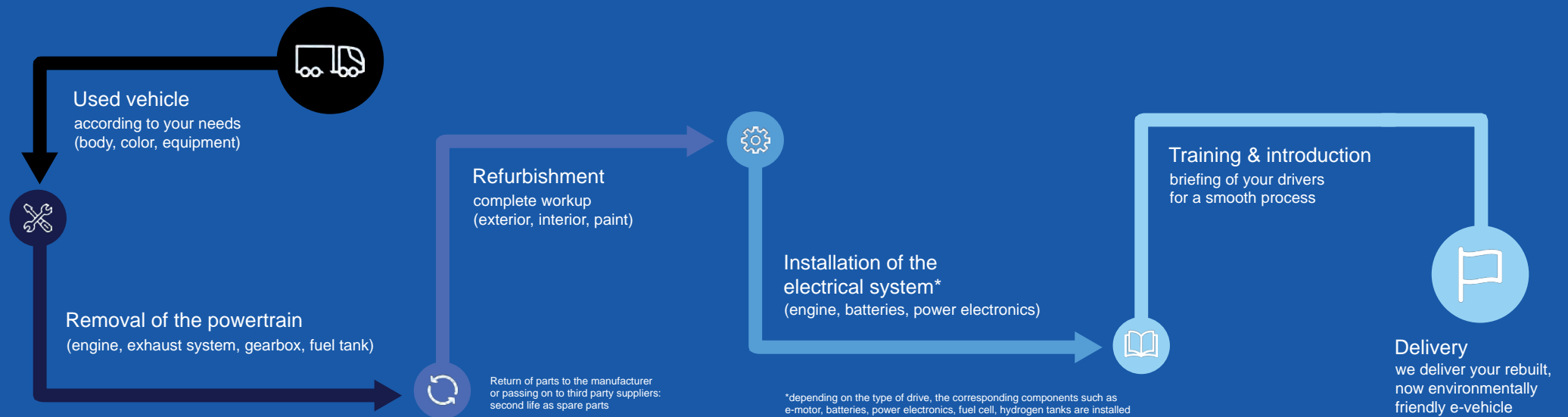
New, stock or used

We focus on your requirements: Quantron AG supplies zero-emission new vehicles, electrifies your existing vehicles or converts used vehicles to environmentally-friendly electric drive versions for you.

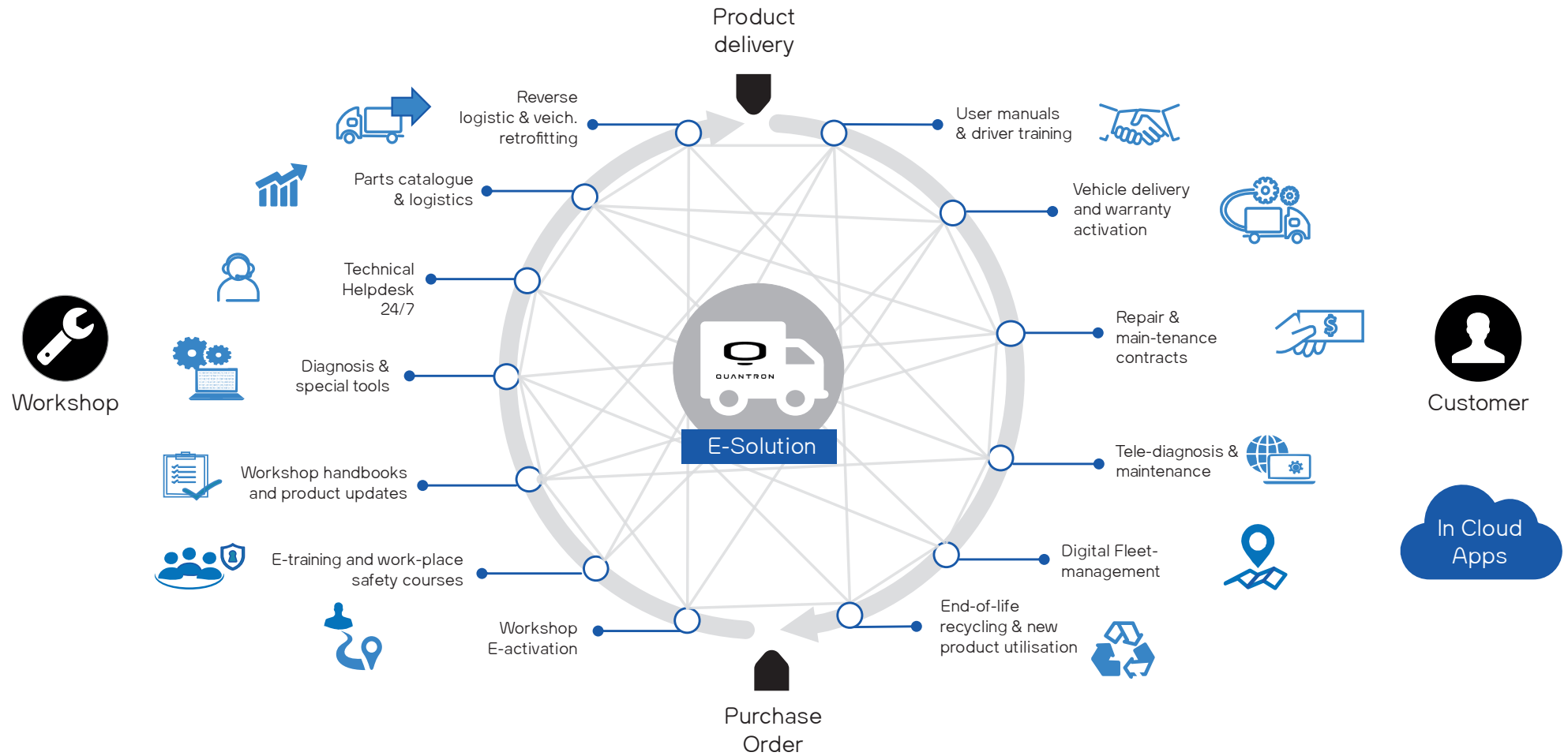
Second Life Battery

After 6-8 years, the used batteries enter their second life in the stationary area (e.g. in connection with photovoltaics as energy storage devices, for charging e-vehicles and absorbing peak currents).

The QUANTRON Sustainability Concept - Q-Repowering




The QUANTRON Service Circle



Combining product, organizational, digital and commercial know-how, Quantron-After-sales offers a full package of e-mobility services to both, workshops and customers.



 **QUANTRON**

QUANTRON  **Leasing & Service**

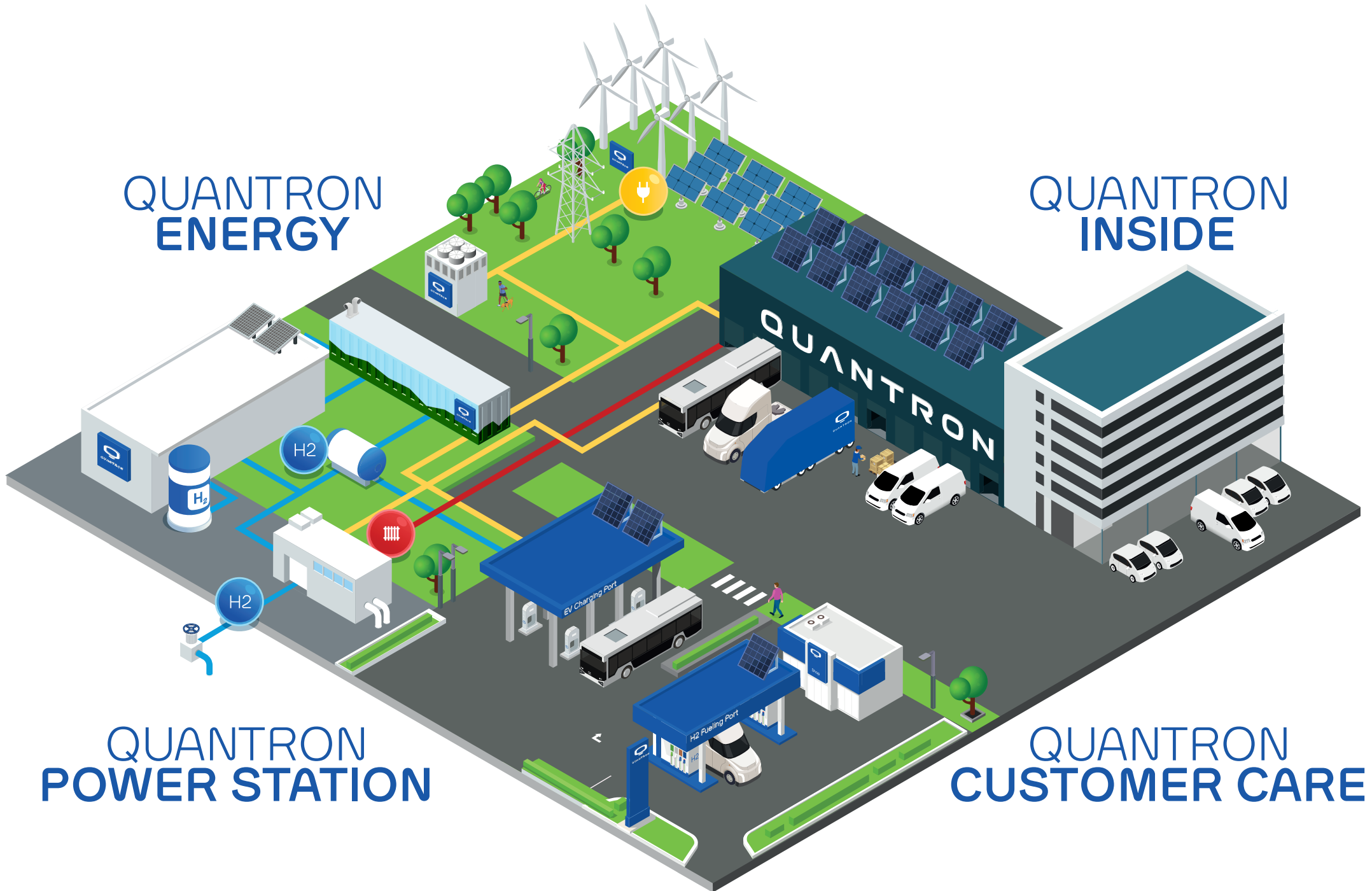
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QUANTRON
ENERGY

QUANTRON
INSIDE

QUANTRON
POWER STATION

QUANTRON
CUSTOMER CARE



Quantron-as-a-Service

Quantron-as-as-Service: QUANTRON as a solution provider, offering an asset light solution that includes all facets of the mobility value chain i.e., vehicle, service & maintenance, insurance, finance, charging infrastructure and hydrogen, amongst others - a one-stop shop for emission free mobility solutions. Offered as a Pay-as-you-go model and tailored to meet the specific requirements of our customers. Non-binding subject to terms & conditions.

QUANTRON Inside

All our commercial vehicles are based on the highly innovative QUANTRON Inside technology.

QUANTRON Power Station

In the future, we want to realize the production of green hydrogen and electricity as a platform for H2 solutions.

QUANTRON Energy

With our QUANTRON filling stations we will offer zero-emission charging solutions for BEV and FCEV.

QUANTRON Customer Care

We offer comprehensive consulting services for the operation of your climate-neutral fleet. This includes topics such as the appropriate charging infrastructure as well as rental, financing and leasing options.

QUANTRON – The innovative zero emission platform



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-Consulting

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 & Bus

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-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-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-Finance

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



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-Experience

Over 140 years of experience in the commercial vehicle business of the Haller Group. We know the vehicles, market and requirements.




Q-Emotion

Resource conservation thanks to remanufacturing. 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.

Global availability with a strong network of QUANTRON offices and 700 service partners



Quantron AG Headquarter

Augsburg, Germany 

Offices

- Ulm, Germany
- Sulzemoos, Germany
- Vienna, Austria
- Madrid, Spain
- Barcelona, Spain
- Bologna, Italy
- Warsaw, Poland
- Oslo, Norway
- Schaffhausen, Switzerland
- Delaware, USA
- Detroit, USA
- Tel-Aviv, Israel
- Lagos, Nigeria
- Hongkong, HK
- Rio de Janeiro, Brazil

Full-Service workshop concept:
Service, maintenance and repair at the highest level.
No matter if transporter, bus or truck. For all manufacturers.

QUANTRON Product Portfolio



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