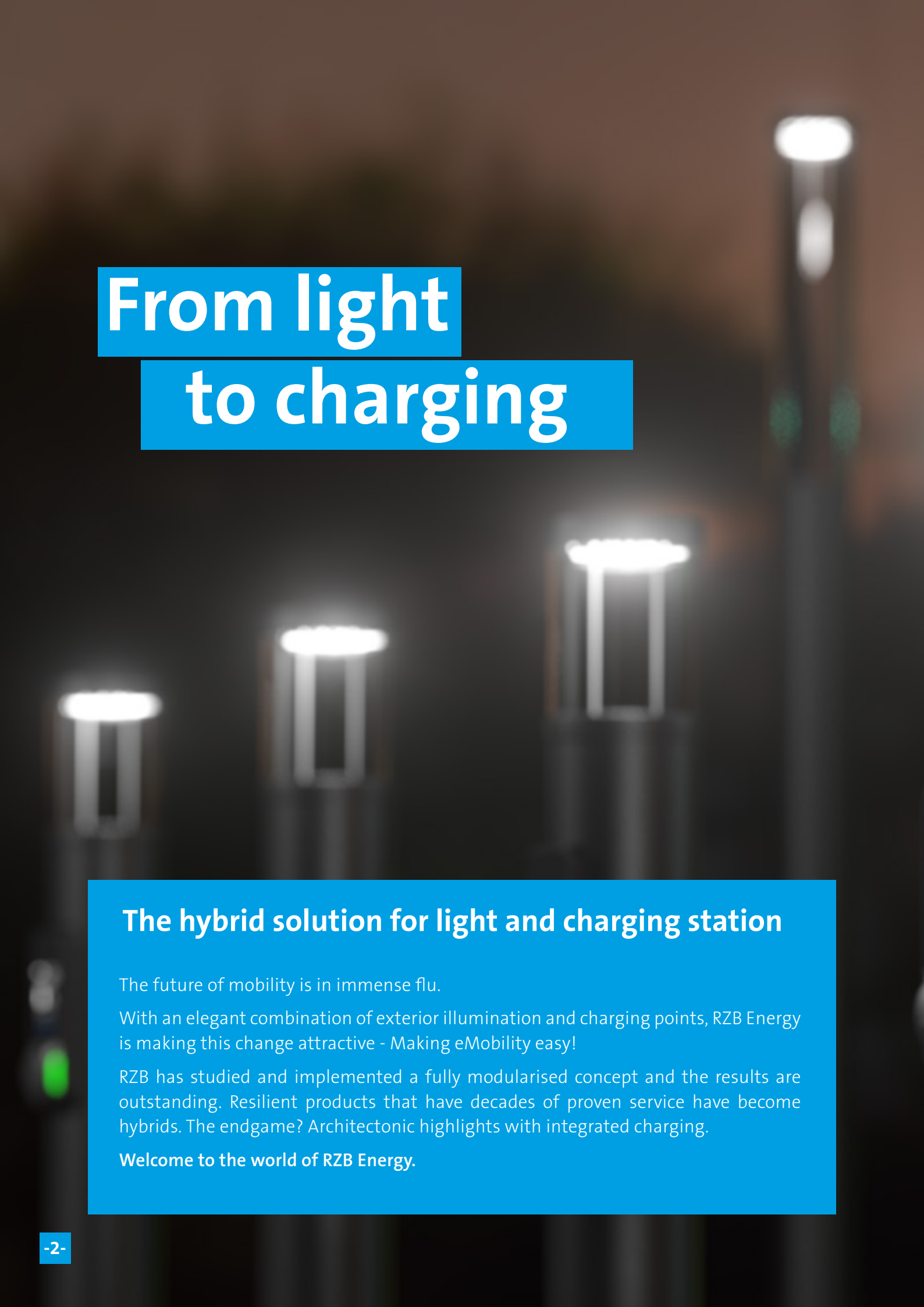




THINK
OUTSIDE THE
WALL
Box



From light to charging

The hybrid solution for light and charging station

The future of mobility is in immense flu.

With an elegant combination of exterior illumination and charging points, RZB Energy is making this change attractive - Making eMobility easy!

RZB has studied and implemented a fully modularised concept and the results are outstanding. Resilient products that have decades of proven service have become hybrids. The endgame? Architectonic highlights with integrated charging.

Welcome to the world of RZB Energy.















Portfolio

All RZB Energy products are available in three main versions: BASIC, SMART and PRO.

All versions have overload protection, DC error current detection, RFID-access control and offer charging levels between 2.3 – 22 kW. The more advanced systems offer additional functions and connectivity options including mobile access.

For enhanced comfort, all versions can be supplied with built-on charging cables to enable a trouble-free charging experience.



	Columns		Bollards		Wallbox
	Lupalo E	Bocaro E	Lupalo E	Bocaro E	
Diameter	180	156	180	156	230 x 120
Height	5000	5000	1400	1500	300
Charge points	1/2/4	1/2/4	1/2	1/2	1
Socket / cable					
Lighting			 	 	

	<div>BASIC</div>	<div>SMART</div>	<div>PRO</div>
Charging 2.3 – 22 kW	✓	✓	✓
DC-Error detection	✓	✓	✓
Load protection	✓	✓	✓
RFID	✓	✓	✓
FI circuit breaker type A	✗	✓	✓
LAN interface	✗	✓	✓
OCPP interface	✗	✓	✓
App control (Monta)	✗	✓	✓
Solar ready	✗	✓	✓
Plug & Charge ready	✗	✓	✓
Overload protection	✗	✗	✓
5G connectivity	✗	✗	✓
Calibrated	✗	✗	✓
		<div>powered by</div> <div>MONTA</div>	
User management	✗	✓	✓
Fleet management	✗	✓	✓
App + Online portal	✗	✓	✓
Load management	✗	✓	✓
Team cards (contract dependent)	✗	✓	✓
Transaction review	✗	✓	✓
Smart queue	✗	✓	✓
Roaming	✗	✓	✓
Ad-Hoc charging	✗	✓	✓
Support	✗	✓	✓
SIM card	✗	✗	✓
Apps			

Apps





Bollard breakdown

Light head

MID calibrated meter
S.A.F.E.
transparency software
(only with display)

Overload protection

CSS Type 2
socket IP 54
1. charging point

EV charge controller

FI/LS breaker

Overload protection
(optional)

Luminaire connection
(Through-wired)

Charge connections

Base plate
Stainless steel 4 mm

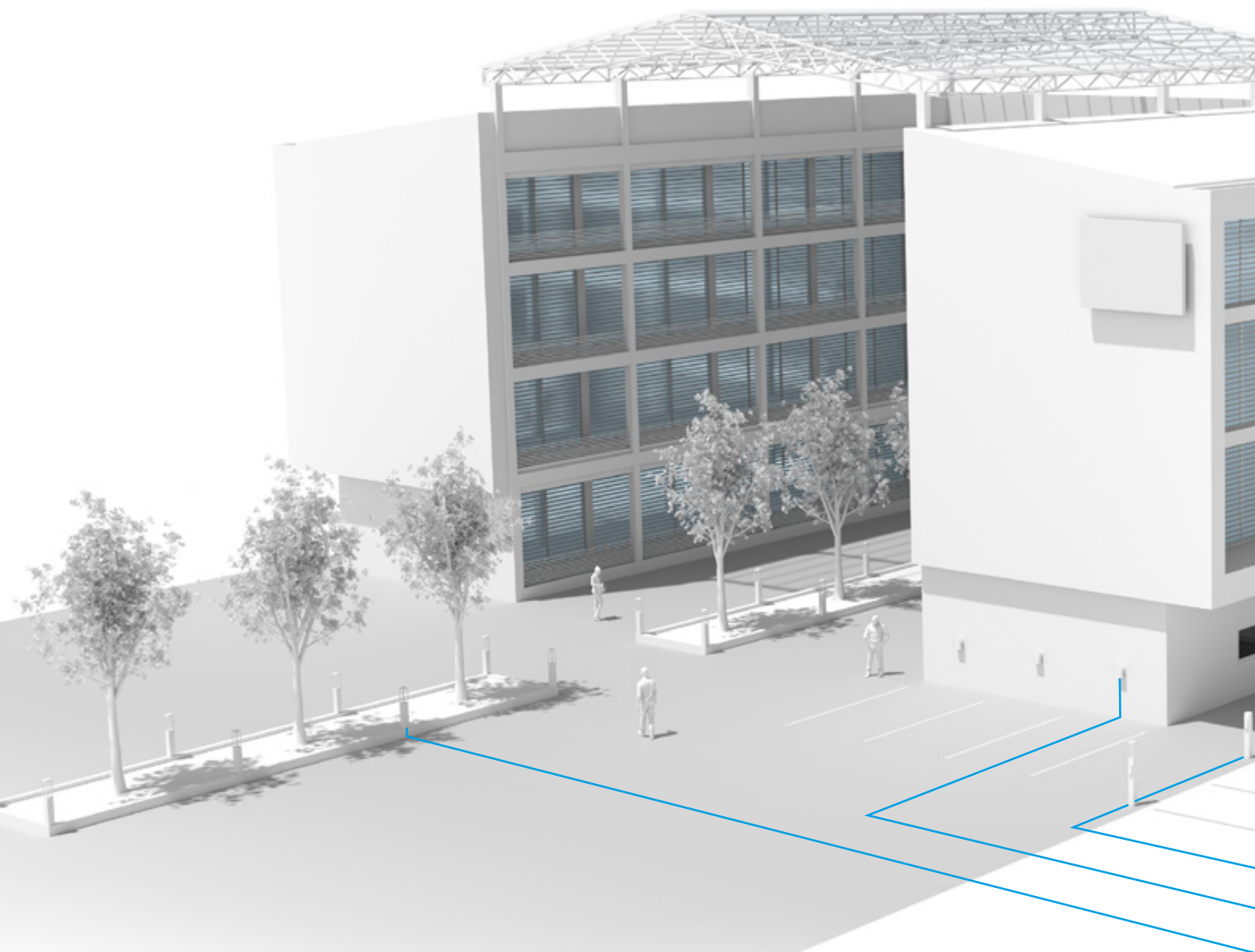
Lock

CSS Type 2
socket IP 54
2. charging point

Housing charge
electronics
IP 65

LAN in/out

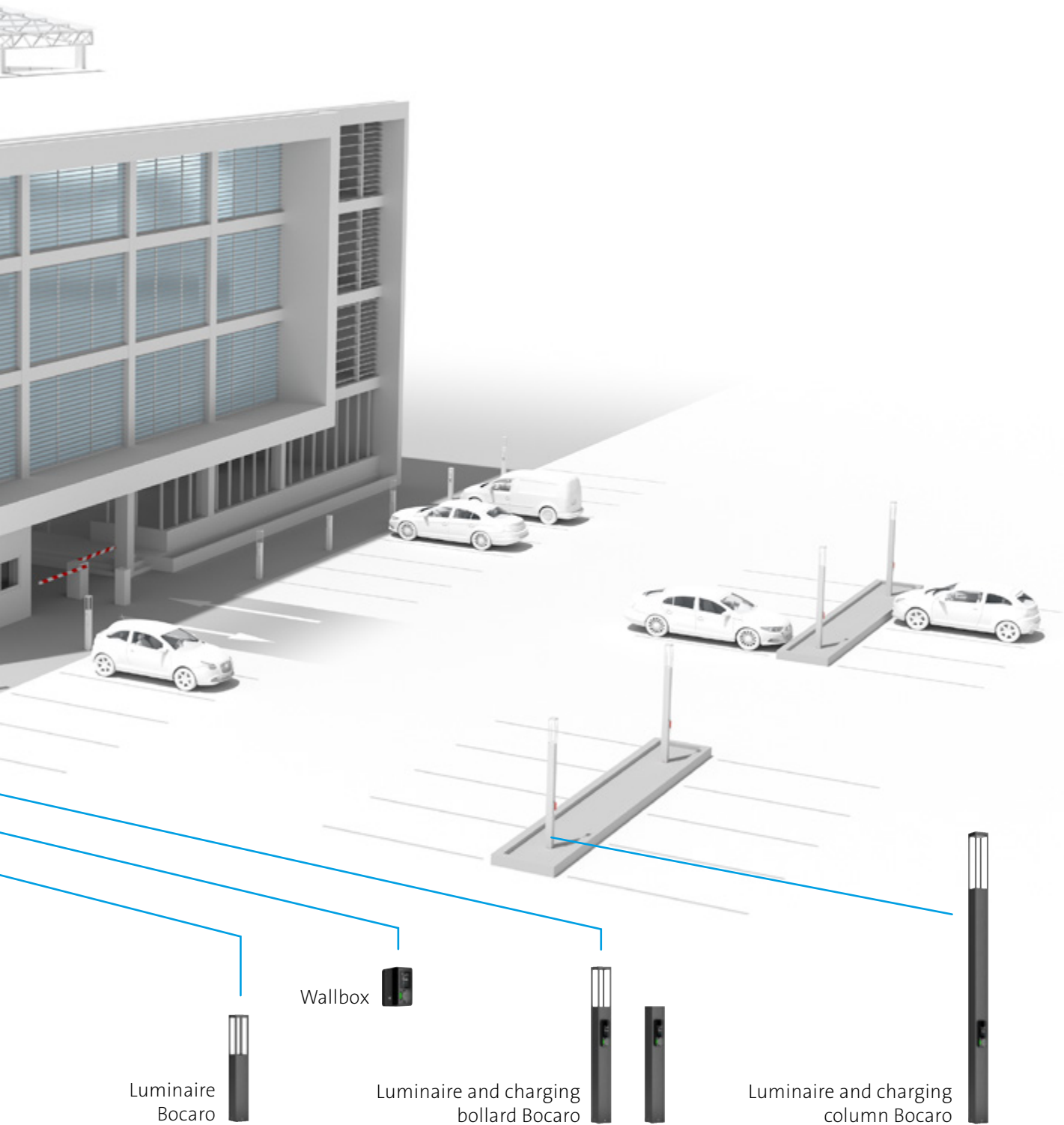
Bollard housing aluminium
5 mm thickness



E-Mobility made architectural

The appearance of outdoor spaces gets an immediate uplift with the hybrid solutions from RZB Energy. The installation of separate lighting and charging points becomes a thing of the past since both can be integrated perfectly.

Light for charging, charging in light. The highly stable solutions have been equipped with the newest technologies for eMobility and work with state of the art platform solutions from companies including Phoenix Contact, Wago and Monta.



Not only carparks but also suburban areas profit from the approach adopted by RZB Energy. Instead of multiple works, one channel can serve multiple purposes reducing installation costs and uplift requirements.

With load management allowing charging up to 22 kW, time-efficient loads are realistic and achievable. In short, all round savings of time and effort are possible and with this achieved, residents and users can all enjoy the hybrid benefits - RZB Energy makes it possible.







Is a standardised communication protocol for the management and payment of eMobility transactions. RZB Energy charging points in the SMART and PRO versions are OCPP compliant.



For charging transactions in which energy costs are relevant, the charged load must be calibrated in German law.

The calibration process is governed by standard. The RZB Energy PRO solutions are all equipped with conforming calibrated meters.



This system enables charging using self-generated solar power. The interface to capture excess electricity and use it for charging is built into the RZB Energy solutions.



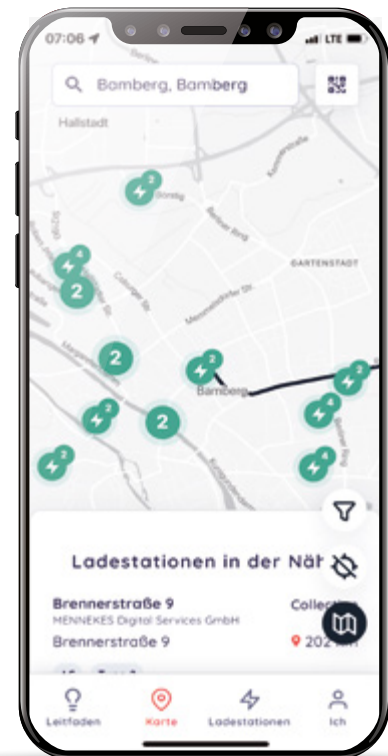
S.A.F.E.

With the S.A.F.E. transparency software, the user has the opportunity to control all relevant charging parameters during the process on a built-in display. In this way, it is easy to ensure that all chargeable items are correct and haven't been manipulated in any way.

Welcome to the world of RFID and OCPP

eMobility is only easy when it's accessible and available for everybody, and when it really works. With RFID-solutions and open OCPP-interfaces including pre-programmed options using OCPP-solutions in cooperation with our Partner Monta Platform, RZB Energy has open access covered.

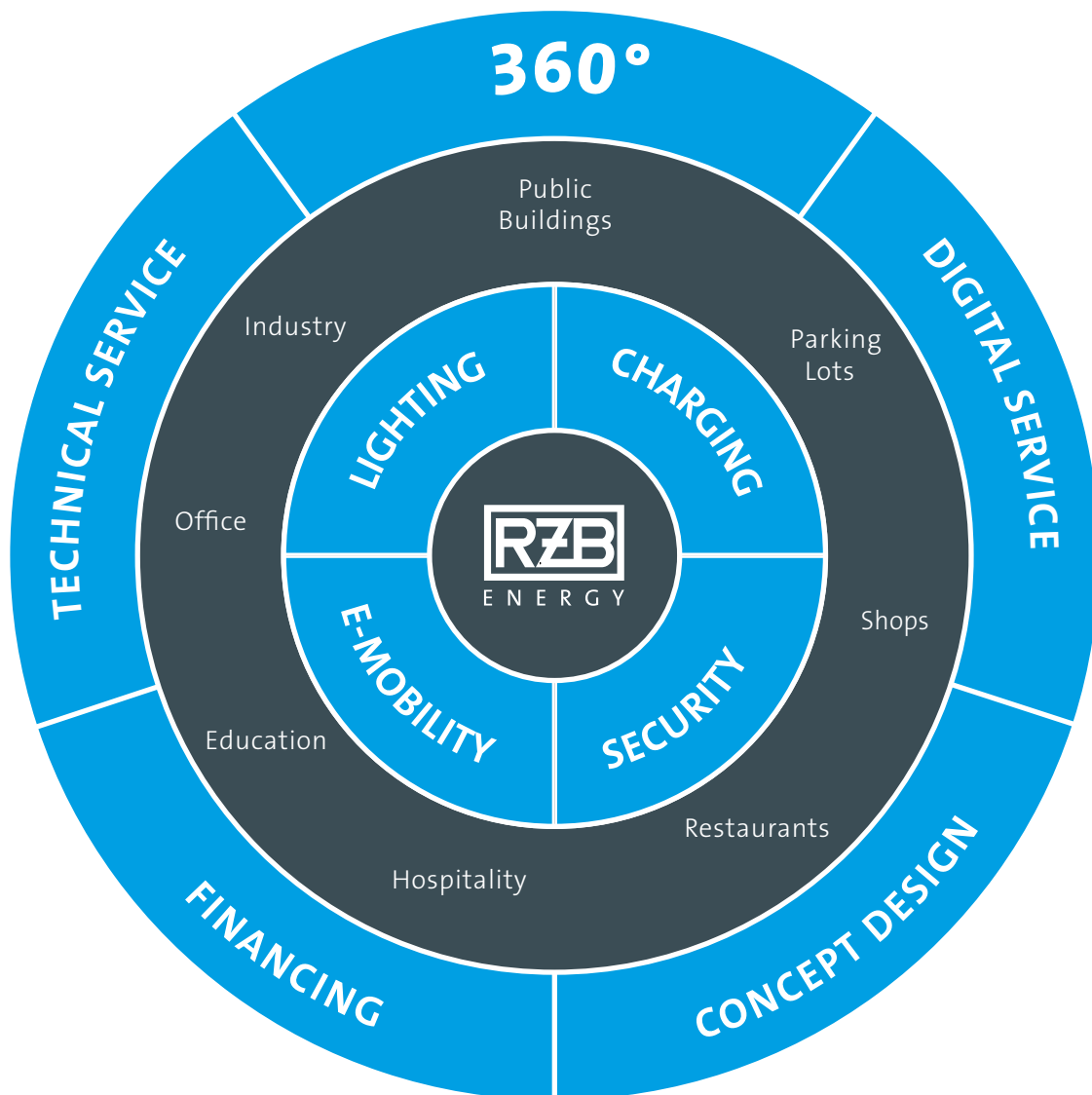
Check out our new website to see which options are available to making everything as easy as possible.



For easy authentication, RFID-transponders can be used enabling a seamless experience – these are multimodal and can be made accessible as charge cards or even a key fob.

The process is well-known from contact-free payment systems and just makes access that bit easier.

AdHoc charging without registration is just as easy with the Monta App and their roaming partners.



As a light and lighting expert, RZB Rudolf Zimmermann, Bamberg GmbH has over 80 years of reputation as a manufacturer of professional solutions, „Made in Germany“. As a diversified group of companies, specialisation are our daily business including mobile lighting solutions under the brand Sonlux and UV-C-air sterilisation systems with the brand RZB Care as well as our core brand of RZB Lighting.

With the new brand of RZB Energy, we have commenced activities in a new, exciting segment. The company, with a history of innovation, has a huge level of technological, verti-

cal integration and produces almost 10,000 products each day in Bamberg. Certification under DIN-ISO 9001 and most recently with the award of the EcoVadis bronze medal for sustainable activities document the approach of the organisation to responsible development.

In addition, important electrical, mechanical and photometric measurements are completed in our house-internal laboratories, in turn also certified. Across the group, around 800 people work on producing solutions for now and the future.



**Custom solutions
standardised**



**More
information?**

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