

## **KERN-LIEBERS and elexon: Charging stations for industry in the Black Forest**

**The KERN-LIEBERS Group, a global supplier to the automotive, textile and consumer goods industries, and elexon, 360° system integrator for individual charging infrastructures, are implementing a convenient charging solution in an industrial environment.**

KERN-LIEBERS, the global technology leader for precision strip and wire parts, is one of Germany's large, independent family-owned companies with annual sales of over 700 million euros. In order to promote e-mobility at its largest German location in the middle of the Black Forest, the company has chosen a charging infrastructure from elexon.

Aachen, 04.05.2022

- **Example of a convenient charging infrastructure in an industrial environment**
- **Transparent and practical billing solution from elexon**
- **Above ground parapet system**
- **Charging columns in the parking lots outside the plant gates supply electric employee and plant vehicles with electricity**

### **Everything from a single source**

The headquarters of the medium-sized KERN-LIEBERS Group of Companies is located in the middle of the diverse economic region of the Black Forest. The globally active supplier employs some 1,200 people at its main plant in Schramberg, and approximately 7,200 employees worldwide. In order to promote e-mobility for its company cars, as well as for its employees with private e-cars, the global technology leader installed twelve charging points on its company premises in Schramberg. A comprehensive service package for the new charging infrastructure was important to the family-owned company. The idea was to obtain everything from a single source, if possible. Starting with consulting, product selection, metal construction work, installation and billing, up to periodic maintenance. The complete portfolio for the new charging infrastructure is being implemented by elexon from Aachen. "With elexon as a full-service provider, we can offer our employees and company car users a

future-oriented and sustainable charging infrastructure and thus, promote the e-mobility of company cars at the Schramberg site," says Christoph Brieden, Head of Maintenance & Facility Management at KERN-LIEBERS.

### **Above ground parapet system**

In the first stage of the project, twelve charging points were installed outside the factory gates at the Schramberg production facility. The installation was carried out above ground. The supply line to the individual charging stations is routed through a specially manufactured metal structure: a robust parapet system that can also withstand possible collisions by vehicles. Thanks to its modular design, it is also highly flexible and can be easily expanded at any time. Above-ground installation concepts such as these save time-consuming and cost-intensive civil engineering work. This installation concept is a good example of elexon's philosophy for sustainable charging infrastructures. The parapet system can be easily dismantled and rebuilt and would also work well for rental properties.

### **A robust, sustainable AC charging solution**

The AC dual charging stations with 2x11 kW including an automatic switchover option to 1x22 kW also bear the label "sustainable". Development and climate-friendly manufacturing in Germany minimizes the CO<sup>2</sup> footprint. The technical elements also comply with the philosophy of sustainable product development. In addition to the focus on high-quality electronics, repairs by specialist craftsmen is possible so that the entire box doesn't have to be replaced and scrapped if there are problems with the electronics. "elexon sees itself as a role model in a market of climate-neutral products and also sets high standards in product development. Our fast, reliable and practical AC charging solutions with the option of above-ground installations have a great reputation with our customers," confirms Marcus Scholz, Managing Director of elexon GmbH.

KERN-LIEBERS also had the charging stations visually customized to match the company's own corporate identity. Layout and foiling were also realized by elexon. Thus, a harmonious overall appearance was created starting at the parking lot and the company's image is characterized from the very first moment.

### **"elexon charge" for smooth billing**

With "elexon charge", KERN-LIEBERS has a billing backend that covers the company's individual needs while minimizing personnel and administrative expenses. The various user groups, such as employees and company car owners, as well as their tariffs, can be defined via a company-specific account. If these groups grow or the tariffs change, this can be adjusted flexibly via the backend. In this way, "elexon charge" grows with the operational changes at KERN-LIEBERS. Costs are also dealt with in a transparent manner. There is a one-time setup fee and a monthly fee per charging point. This allows the globally active family-

owned company to calculate costs transparently over the long term "Above all, comprehensive service was important to KERN-LIEBERS. The focus was on detailed consulting services for the ideal installation concept, as well as a billing system that was as simple and convenient as possible. We discussed every topic concerning the new charging infrastructure intensively and implemented the best scenario for our customer," explains Stefanie Momber, elexon's project manager. An all-inclusive, worry-free solution for the medium-sized company from southwest Germany.

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**About elexon**

*Elexon is a joint venture of SMA Solar Technology AG (SMA), AixControl GmbH and aixACCT charging solutions GmbH founded in 2019 with the goal of promoting the expansion of charging infrastructures for electric vehicles across Europe.*

*Elexon is a full-service provider and, thanks to the merger, now has access to all the necessary expertise from the field of electromobility. Its focus is on charging infrastructures, energy and load management, and the provision of electricity through renewable energies.*

*With its 360° charging infrastructure solutions, elexon offers its customers single-source, holistic plug-and-play solutions for the planning, installation and service of efficient e-vehicle charging parks.*