



**Furrer+Frey**<sup>®</sup>  
b a u t F a h r l e i t u n g e n

## **Electric and Hybrid Buses Fast Charging Stations equipped with the well-proven Overhead Conductor Rail**

90 Years of Furrer+Frey – 25 years of overhead conductor rail – now also charging stations for electric and hybrid buses

Founded in 1923, the company is still owned by the family. This has allowed establishing an effective corporate structure for 180 employees, which is characterised by short decision paths and an entrepreneur style, primarily oriented to future achievements and not to shareholder value.

Based on this philosophy, Furrer+Frey have always cultivated a close relationship to customers, trying to understand their specific requirements and fulfilling their specific demands. This has led to a wide range of innovative solutions, like the conductor rail system, which is installed in many different applications on more than 1'800 track kilometres.

Metros, underground sections of railways, maintenance facilities and moveable bridges are equipped with this system since more than 25 years. The reliability of the Furrer+Frey © conductor rail is almost legendary today.

The latest field of application of the conductor rail is in overhead charging stations for electric or hybrid buses, where the big current carrying capacity of the aluminium profile allows highly efficient transfer of large amounts of power from the electrical grid to the bus.

Together with our partner Optrid, we are now able to offer the Optrid Bûsbaar, a complete solution for automatic fast charging stations which include different types of roadside automatic charging units, the high power DC charger, and the communication, safety and control system between the bus and the charging station.

Just recently, middle of March 2013, the HyperBus Project was unveiled in Sweden which uses two Optrid Bûsbaar charging stations to charge several of Volvo's new Plug-in hybrid buses on the #60 bus route in Gothenburg.

You are cordially invited to visit our booth no. 2B325 to learn more about the Optrid Bûsbaar fast charging solutions already in commercial operation.

There we will also show a model of our tensioned catenary system for urban transit, which blends particularly well into the cityscape.

Furthermore, our staff, all specialized in OHLE, will be pleased to show you our general range of products and services which includes planning and supply of electrification systems ranging from 600 V to 25 kV for normal and narrow gauge railways, covering mountain lines, intercity lines, urban traffic, rack railways and trolleybus. We are particularly proud of the highly reliable FL 200 / FL 260 catenary system developed by us, which has set new standards with BLS, RhB, NR and other railway companies.

Furrer+Frey also provide and hires out tools and special equipment for installation and maintenance activities.