

Charge & Connect

Connecting your charging technology



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More efficiency, new transparency

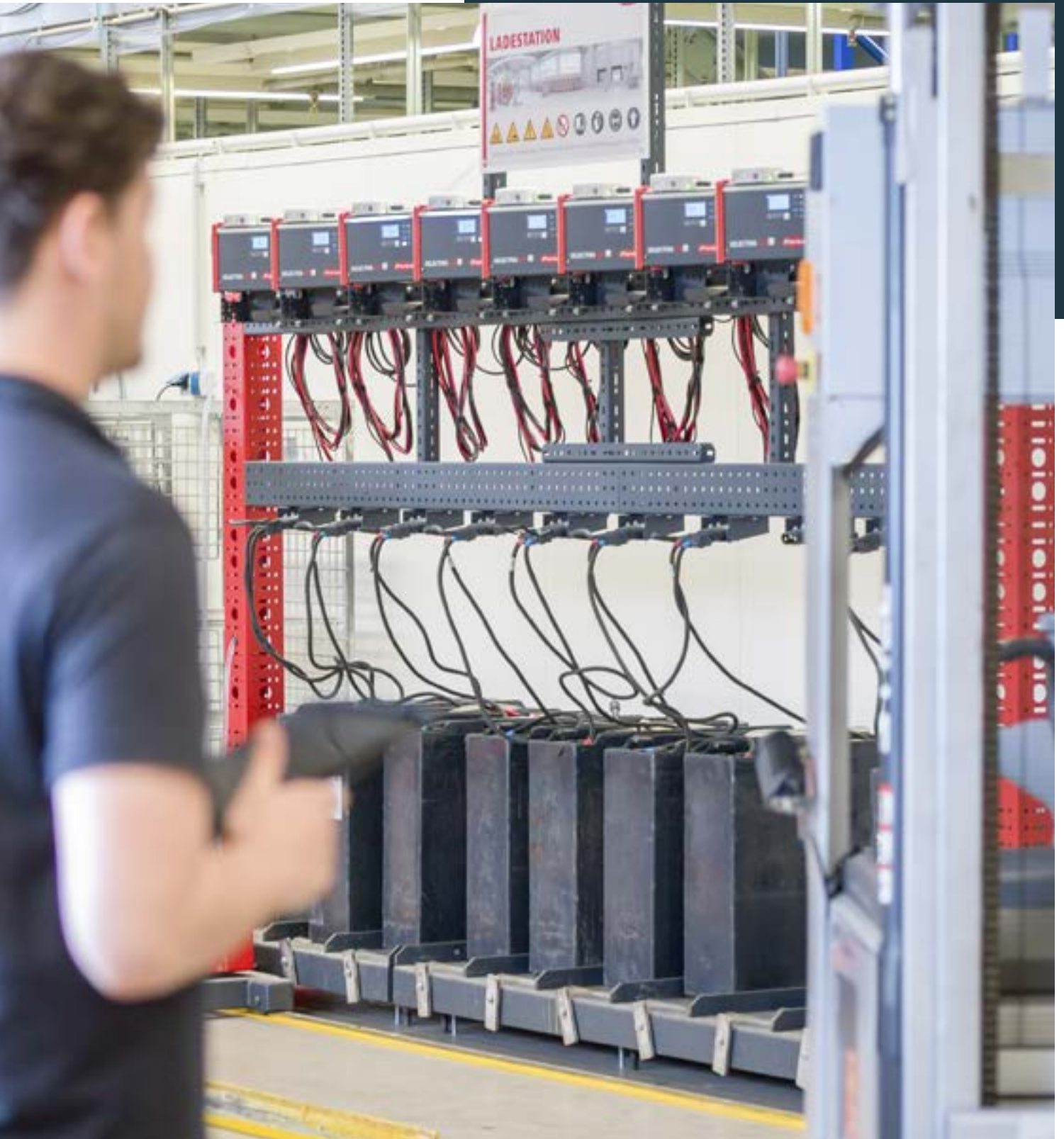
Everything in a glance.

With Charge & Connect, you can go beyond the limits of conventional charging.

The cloud-based software solution connects directly to your charging infrastructure and provides real-time data on its availability and status.

Numerous analysis functions help you detect application errors at an early stage and derive measures to reduce costs and improve performance. Benefit from unprecedented transparency across all charging stations. Increase the performance and efficiency of your intralogistics.





Compelling advantages for a competitive edge



More transparency and control

With Charge & Connect, you always have a clear overview of your entire charging infrastructure. The data transparency you gain allows you to optimize your charging flows in the best possible way and adapt them individually to your needs.

Reduce your total costs (TCO) sustainably

Combining technologically advanced chargers with our digital connectivity solution, Charge & Connect, helps you reduce your energy costs, increase efficiency and minimize potential risks of downtimes.

Optimized operation

For optimal operation of your charging stations, Charge & Connect provides you with a clear and intuitive overview of your charging data and allows you to identify application errors immediately and avoid them in the future.

The current status of all charging stations at a glance in your Charge & Connect Dashboard

Always Up-

Availability of chargers

Are any chargers currently in a state of error?

Status of connected batteries

How many cooled batteries are currently available?

How many batteries are fully charged?

Which ones have a battery error?



-to-date



Connected batteries

On how many available chargers is a battery currently connected to? How many batteries of the battery pool are currently charging?

AC-Power

Do you know the AC power consumption of your charging infrastructure including minimum and maximum values of the last 24 hours? Now these values are available at a glance in the dashboard.

Creating value from data

Digital connectivity of charging technology offers a number of new opportunities to increase the availability and performance of your forklift fleet and to generate added value from data.

Derive optimization measures



Through the long-term visualization of the power drawn from the chargers, you can easily identify whether and at what times expensive peak loads occur. Based on this data, measures and optimization steps can be initiated and energy costs can be reduced.

Charge & Connect also helps you to optimally design the battery pool and forklift fleet by identifying and reducing overcapacities.

Prompt error detection



Increase the availability of your charging infrastructure thanks to an automatic real-time notification. In order to be able to react as quickly as possible when problems occur, you not only receive a detailed error description, but also the corresponding step-by-step instructions. In addition, Charge & Connect offers the possibility to detect whether your batteries are always fully charged, which is important with lead-acid batteries. Partial charges and user errors are detected and visualized in the web portal.

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Data collection and visualization

All charging data, such as charging status and processes, are collected and transmitted to the cloud-based web portal in real time using a gateway. The data is aggregated and visualized in a clear dashboard. By displaying the most important KPIs of your charging infrastructure, manual visual checks are no longer necessary.



Real-time condition monitoring

No matter where, no matter when - with Charge & Connect you have full control of your entire charging infrastructure. At the touch of a button, you can check the availability, usage and charging status of all connected chargers. The display of the current power consumption also provides you an optimal overview of your energy consumption.

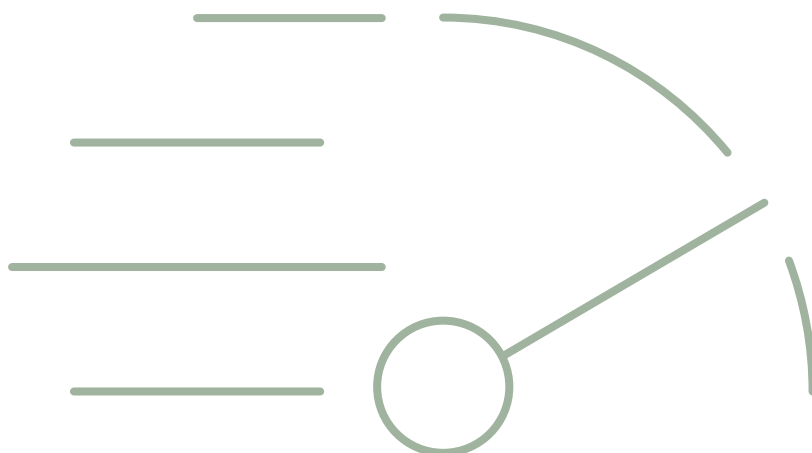


Statistics across multiple sites

With Charge & Connect, you can analyze your charging data across multiple locations and thus obtain valuable information. With the insights gained, nothing is stopping you from a data-based optimization of your charging infrastructure.



Increase
performance
sustainably



Optimization of the battery pool

With Charge & Connect you can see whether the ideal number of batteries is in use or savings are possible.

Minimize downtimes

Thanks to continuous monitoring of your chargers, you can reduce downtimes of your fleet to a minimum.

Faster error handling

Thanks to automatic push notifications, you are promptly alerted to errors, even across multiple locations. Keep an overview even without being on site yourself!

Reduce your manual workload

Automatic transfers to the cloud eliminate the need for manual data entries or visual inspections.



Next Level Charging

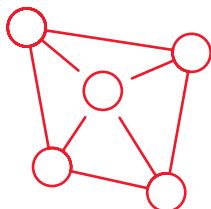
With Charge & Connect you are perfectly prepared for future challenges. Benefit from regular updates and extensions and start making your decisions based on data.

Data-based decisions

Significant statistics that can be accessed at any time to support you in identifying potential errors and sustainably optimizing your processes.

Future proof

We are constantly developing new functions and features of Charge & Connect for you.



Always up to date

With Charge & Connect, you can automatically import software updates, without having to be on site or make physical changes.

Easily expandable

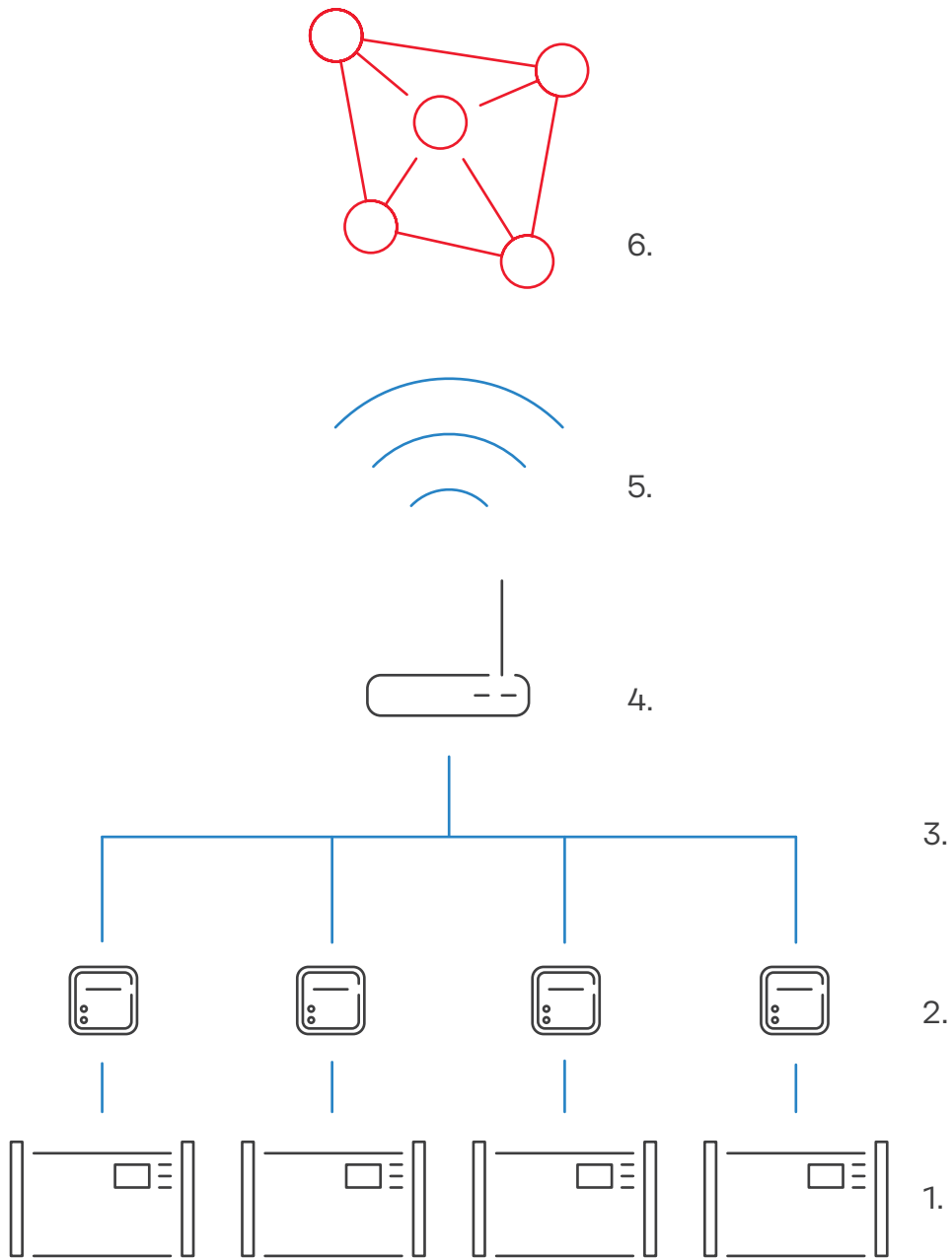
If you expand your charger pool, you can easily connect the additional devices with Charge & Connect.



Secure & fast

Industry-safe data transfer in real time.
Each of our Selectiva 4.0 or SelectION chargers can be equipped with its own gateway and be connected via gateway link.

This enables a secure and stable data transfer between charger and gateway without interruption. Depending on your local conditions, you can transfer your charging data via WLAN or LAN. Using your in-house Internet the data is sent to the Charge & Connect cloud and visualized in the Charge & Connect Dashboard.



1. Selectiva 4.0 / SelectION
2. Gateway
3. Lan/Wlan
4. Switch/Router
5. In-house Internet
6. Charge & Connect



Thinking Beyond Charging

Complete solutions

We offer a comprehensive portfolio for your charging infrastructure - from useful charging and safety modules to intelligent information and management systems - tailored to your requirements.

Sustainable charging solutions

As environmental regulations and laws are becoming stricter, sustainable technologies are increasingly in demand - especially for energy supply.

We support you in getting your company fit for the future: Through a switch to electrified industrial trucks, the use of efficient charging devices or the combination of battery charging technology and photovoltaics.

More information:

www.fronius.com/ri-charging-process

www.fronius.com/intralogistics

www.linkedin.com/showcase/perfectcharging

www.youtube.com/FroniusCharging

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