trak | systemizer

Turnkey charging & changing stations
Everything from a single source

Turnkey charging and changing stations

Our mobile power supply services include sustainable and modular planning, as well as design, installation and commissioning of turnkey charging stations.

Space, shift and break models, stock accounts, vehicle types, as well as ventilation, floor finish and type of battery changing must be considered in the end-to-end planning. The modularity and flexibility of our system components will help you to lower your investment and energy costs and to optimize your vehicle fleet.

We always work out individual solutions, such as turnkey central charging and changing systems, outdoor solutions or battery charging stations.

Trust in our expertise and our long-term experience in consulting, planning and implementation of charging stations.

Our range of services

- On-site analysis and consulting
- Individual structural planning of your charging station
- Detailed layout planning and creation
- Delivery of all system installations and accessories
- All equipment from a single source: Ventilation system, electrical installation, floor finish etc.
- Installation, maintenance, service and on-site training
- Commissioning and acceptance of your charging station
Your Plus with HOPPECKE

- Recording your potential for energy savings and vehicle fleet optimization
- Investment protection through planning with state-of-the-art technical standards
- Increased safety through compliance with technical and legal standards and norms
- Increased productivity by optimizing internal logistics routes
- Reduced energy consumption confirmed by independent bodies
- Efficient concepts of space usage
Power
Your
Success
trak | power
Batteries

trak | charger
High frequency chargers

trak | Xchange
Battery changing systems

trak | monitor
Management systems for charging stations

System racks

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Floor marking and coating

Signage and safety systems
Choosing the right battery for your specific application is critical to your competitiveness.

**HOPPECKE battery technologies at a glance**
- Lead acid
  - Proven technology for common motive power applications
- Nickel fiber structure
  - For use in extreme temperature ranges
- Lithium ion
  - Optimal solution for warehouse vehicles in constant use

**Your Plus with HOPPECKE**
- High reliability
- Operational safety
- Outstanding service life

The right charger is important not only to ensure the full charge of the battery, and thus the reliability of operation; it is also crucial for the amount of your operating costs. The new generation of HOPPECKE high frequency chargers opens up new dimensions.

**Your Plus with HOPPECKE**
- Increased efficiency through optimal tuning of battery and charger
- A variety of models
- Suitable for fleet operations
- „Dynamic Network Intelligence“
- Communication via Bluetooth, Ethernet and CAN
- Custom configurable
HOPPECKE changing devices and systems are designed for use with all types of industrial trucks and fleet sizes. When choosing the optimal changing system, we take into account the number of batteries needed, the size and the type of vehicle, as well as the best possible use of space and the applicable laws and regulations.

**Your Plus with HOPPECKE**
- Cost-saving battery changing
- Battery changing without, or with very little effort
- Manual or powered changing systems for side extraction
- Height adjustment
- Magnetic or vacuum changing head
- High safety factor

Our management systems manage batteries and chargers, as well as your charging station and the energy required. trak | monitor ensures increased reliability and economical use of your battery fleet in the charging station.

**Your Plus with HOPPECKE**
- High ease of use
- Compatible with all charging equipment manufacturers
- Charging place allocation
- Ventilation control based on needs
- Vehicle fleet management
- Peak demand management
- Energy billing
- Reporting for permanent analysis / optimization of the battery pool
System racks

HOPPECKE system racks are specially designed for industrial trucks with side battery extraction, and can be adapted to specific customer requirements. They provide safe storage for batteries during charging, and a space-saving fit into the charging station.

**Your Plus with HOPPECKE**
- Base frame with smooth-running ball-bearing battery rollers and lateral guide tracks
- Safe battery conveyance
- Installation basis conforming to standards for chargers, busbar systems and wire rope hoists
- Charger shelving also available without roller beds, e.g. for vehicle charging stations
- Quick and easy connecting of battery and charger
- End stops, latches and a stable steel structure provide maximum safety

Ventilation system

When planning a charging station, we always check whether a forced air extraction is required, and whether the hydrogen level should be controlled in the charging area.

**Your Plus with HOPPECKE**
- Ventilation systems to suit your individual charging concept
- Ceiling mounting or direct suction including enclosure is possible
- Optional gas alarm system
- Connection to failure alarm system is possible with trak | monitor system
A central water purification system is economically necessary in a battery pool with several small and large batteries. The HOPPECKE water treatment system is a perfect solution; it can even be connected to our trak monitor system on request.

**Your Plus with HOPPECKE**
- Water quality requirements of IEC 60993 T1
- Consistently good water quality
- Virtually unlimited regeneration capability of the resins used
- DIN EN ISO 9001 certified
- Documented batch testing

The HOPPECKE energy distribution system offers high flexibility and efficiency compared to conventional cable installations.

**Your Plus with HOPPECKE**
- Savings in cost and time
- Easy integration into the house electrics
- Mains socket within sight of the chargers
- Busbar can be extended at any time
Floor marking and coating

Charging areas must be clearly defined with a permanent marking. Floor coating protects against aggressive substances and mechanical load.

**Your Plus with HOPPECKE**
- Floor markings according to the standard and specific customer requirements
- Floor coating according to standard, tailored for every application

Signage and safety systems

The scope of delivery of a HOPPECKE turnkey charging station includes, of course, all relevant warning, safety and instruction labels, as well as first-aid equipment.

To avoid damage to the changing system and your equipment through vehicles, we plan and deliver the appropriate safety systems.

**Your Plus with HOPPECKE**
- Safety system and signs according to the standard and specific customer requirements
- A large product portfolio with individual signs
Optional charging station equipment

Washing station for batteries
In an environment where battery surfaces quickly get highly contaminated, the installation of a battery washing place is a useful investment. The HOPPECKE solution is suitable for all common batteries. It is easy to use and very safe.

Safe work station - "guard booth"
If you employ a charging station guard or foreman, we also design a so-called "guard booth". These booths can be easily dismantled and placed elsewhere. The wall sections provide a good heat, cold and sound insulation.

Battery charging station

The mobile battery charging station offers an option to charge two vehicles on a very small area at the same time. The system already includes the prescribed signs and safety equipment.

Your Plus with HOPPECKE
- Mobile
- Compact
- Space-saving
- User-friendly design
- Easy to transport
- With an optional water purification system
- Statutory signage and safety equipment are directly integrated
For continuous operation and rapid recharging of batteries, HOPPECKE docking station provides a solution which is comfortable and easy to use.

**Your Plus with HOPPECKE**
- Automatic and easy contacting to the vehicle
- Automatic start of charging when entering, and stop of charging when exiting the charging bay
- Decentralized charging
- The battery can be quickly and safely charged at all times
- Easy to use

The HOPPECKE outdoor charging station provides the ideal solution for a safe and proper battery charging in outdoor areas.

**Your Plus with HOPPECKE**
- Mobile charging station
- Enclosure
- Lighting
- Electrical sockets
- Heating
- Ventilation system
- Can be custom planned