



CASE STUDY



## 1 | Challenge : **Combustion engines change to electric forklifts**

A client from the beverage industry asked HOPPECKE for help because they wanted to commission a **new logistics centre** and for this purpose **electrically powered industrial trucks** were to be used for the first time. The customer wanted advice and support from especially regarding occupational safety, necessary protective equipment for handling the batteries and the prescribed rules for ventilating the plant and the charging station area. Moreover, batteries with matching charging stations were to be supplied.

## 2 | Solution : **Equipment with a rule compliant charging station**

After an on-site inspection, HOPPECKE was able to develop a concept for the customer through which a standard-compliant, space-saving and easy-to-operate charging station was installed. The **trak | Xcharge CS charger platforms**, which are suitable for parking all common chargers, give the entire charging station an **advantageous clarity** and **save space** at the same time.

The **trak | uplift batteries** with built-in **electrolyte circulation trak | air** are **easily compatible with existing third-party chargers**. The circulation system shortens the charging time and increases battery availability; water refilling and energy costs are also reduced. This brings significant advantages over conventional batteries and enables the trak | uplift air to perform to its full potential even in demanding multi-shift operations.

Safety regulations were also properly implemented. In the end, the customer was able to commission a **standard-compliant and efficient system** that not only **reduced costs** but also reduced pollution in the logistics centre.

### Key Points

- New logistics centre with an electrified vehicle fleet has a charging station installed
- Cost-saving solution with electrolyte circulation
- problem-free compatibility of batteries and third-party chargers
- Development of safety concept

## 3 | Products :

- ▶ **Batteries:** trak | uplift air
- ▶ **Charging platform:** trak | Xcharge CS



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