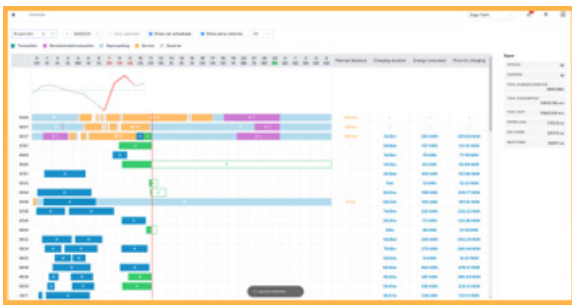# Tenix Charge

This complete charging system, which works regardless of vehicle or charger brand, helps transport companies oversee their electric vehicles and chargers.

Utilizing machine learning and Nordpool energy prices, Tenix Charge supports the monitoring and optimization of battery-electric vehicles operation.
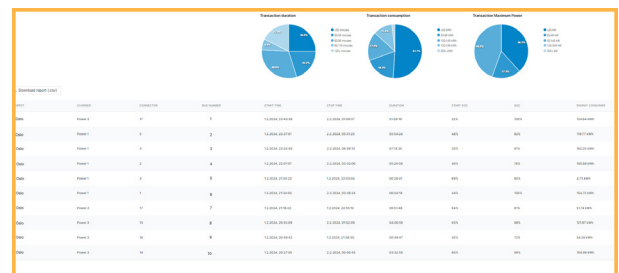

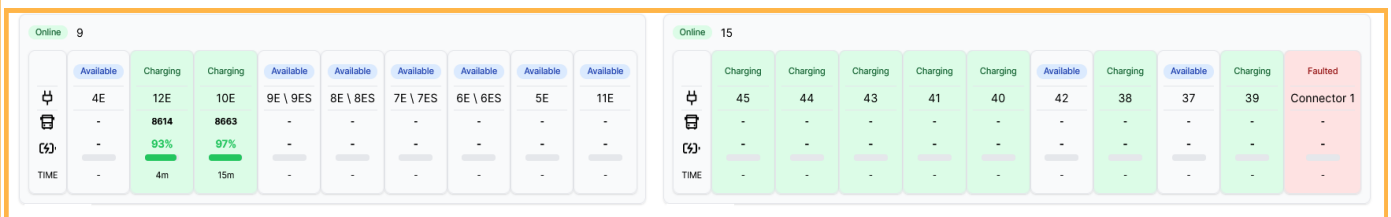*Dashboard view - fleet schedule*

Key Features

- Connected to Nordpool energy prices
- Optimizes when to charge, how much, etc.
- Full control over costs, capacity, SoC%
- Integrations with scheduling systems
- Real-time status overview
- Deviation reports
- Multi-platform enabled

Each charging session is monitored and displayed in real-time, including warnings and alarms from the chargers in case of malfunction or interruption.

Completed charging transactions and accumulated consumption/power requirements can be analyzed retrospectively through the flexible reporting function, where data can also be exported for further analysis to aid future planning.
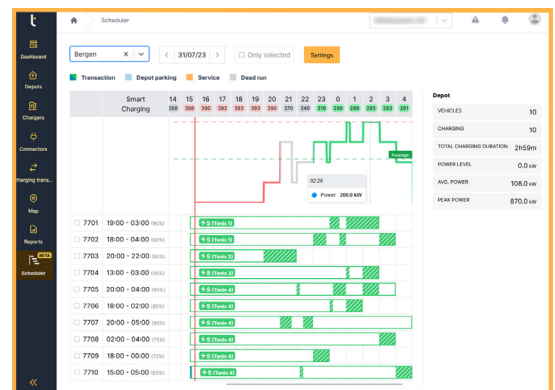

Reports view

Automated Smart Charging optimization

Tenix Charge's automated smart charging optimization uses machine learning to charge your fleet at the lowest possible cost and to your desired percentage during your specified time window, while steering clear of peak demand periods.

The charging sequence is optimized based on several dimensions:

- Load balancing to minimize total power demands.

- Optimization of charging in relation to dynamic energy tariff to optimize total energy costs (using Nordpool).

- Optimization of actual charged energy based on planned production that considers individual vehicle consumption patterns, energy storage capacity and current temperature forecast to minimize unnecessary charging and maximize battery life.

Automated smart charging view

Benefit Summary

- Save costs by charging at the lowest energy prices available during the day
- Easily and quickly detect charger errors
- Create in-depth reports about your electric fleet
- Use across your fleet, regardless of bus or charger brand
- Integrate with your scheduling system to have your fleet charged and ready to go

connect bus

"Managing our electric bus fleet and the charging schedule has become much simpler with Tenix Charge. I am very impressed."

Peter Dragøy, Acting Technical Leader

Tenix.eu