MOBILEcharge

Intelligent Charge Management

With more electric buses in the fleet, there is an increased need for well-coordinated charging. After all, a large number of vehicles will require a significant amount of power within a relatively short time frame. MOBILEcharge ensures parallel, controlled, and automated charging processes at the depot by connecting charging points, the electricity supply, and operational information systems.

In case of unplanned interruptions of charging processes, MOBILEcharge ensures that they are restarted. Incompleted loading processes are reported to the ITCS.

By actively controlling the charging processes, the loads can be shifted in such a way that the peak power, and thus the overall costs, can be reduced but the vehicles are still available in time and pre-conditioned.

DEPOT

Bus 10   Driving   82%

Next Drive
16:20 (05h 32m)

Activity Schedule
On time

Target SOC
–

Current SOC
82 %

Preconditioning
17 min

Issues
0

Cyclical charge planning

Energy requirement predictions

Cost savings through peak shifting

Reporting

Integration into the application landscape

- Optimizes fleet charging, based around operational requirements
- Avoids expensive peak loads
- Provides preconditioning for vehicles

- Delivers predictive analytics to optimize tariffs
- Prolongs the battery life
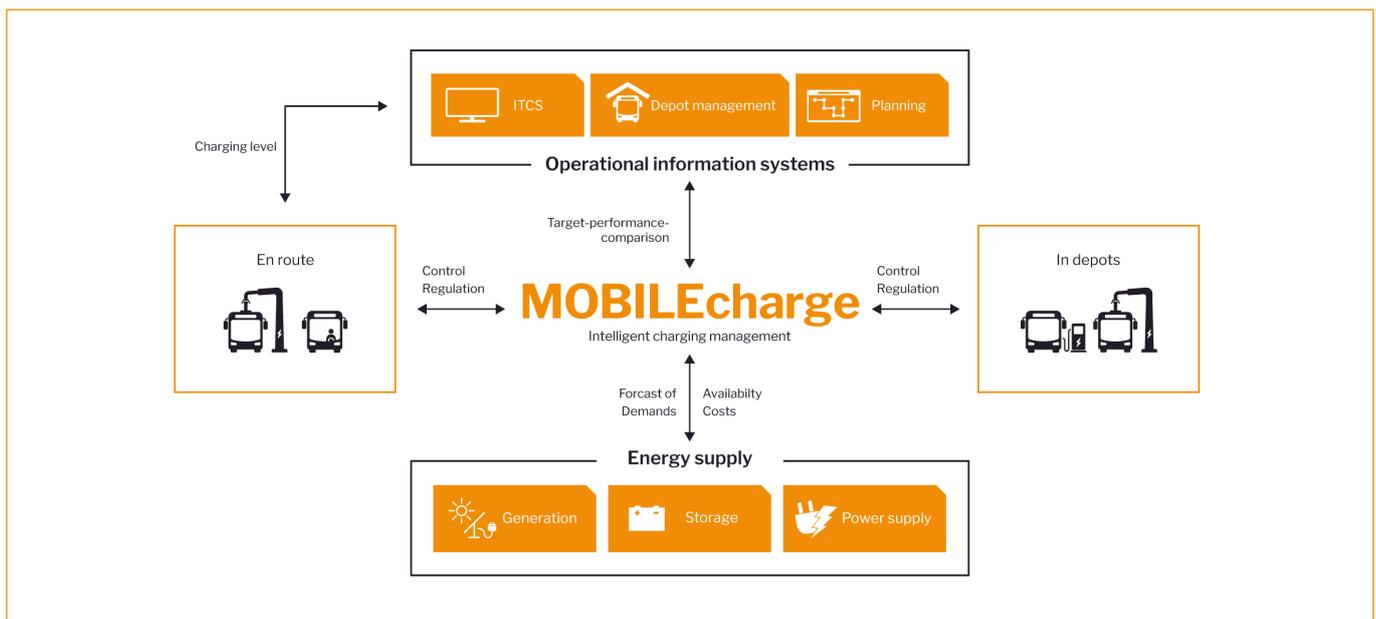- Integrates decentralized generators and storage systems
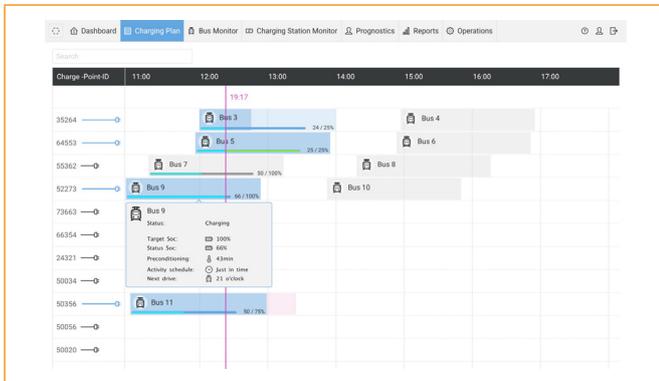
Charging plan and preconditioning
A loading plan is drawn up for the entire fleet, taking into account operational data.
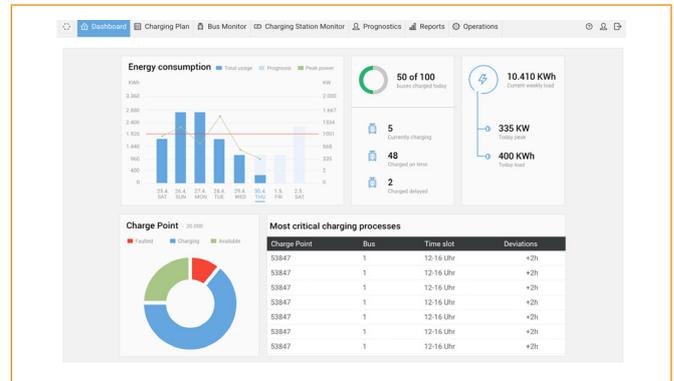
Prediction of energy requirements
For the next 24 hours based on historical values and operational forecasts.

All information in this data sheet are to be perceived as proposals for configuration and don't necessarily belong to the basic scope of supply. The product is individually set up in accordance with customer requirements and corresponding commissioning.

Contact

Would you like to learn more about intelligent Charge Management?
Then contact Heiko Bauer:: heiko.bauer@carmedialab.com.

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