

Digital charging and operation services for e-fleets

Smooth operation and increased efficiency of electrified commercial vehicle fleets

Independent

from manufacturers for management of multibrand fleets

Holistic

with solutions along the entire value chain

- Holistic solution integrates fleet operation, charging infrastructure, and energy management into one cloud platform
- Independent from manufacturers of electric vehicles and charging infrastructure
- Smart services contribute to optimized total cost of ownership (TCO)
- Simple integration with fleet management software and other third-party solutions, for example, for solar energy and energy storage
- Customized modular service packages according to customer needs available





Operational optimization

For more efficiency and optimized vehicle availability of e-fleets

Transparent

due to detailed information on charging processes and cost

Simplified

due to the integration of fleet operation, energy management, and charging infrastructure on one platform

- Using existing flexibility in the charging infrastructure and the fleet to improve network stability and trade on the energy market can generate additional revenue
- Information about requested charge level, driving behavior and route patterns allow optimal allocation of vehicles to routes
- Predictions about the state of the charging infrastructure reduce maintenance costs and downtime





Billing and roaming

For cross-border charging and automatic billing

Powertrain and electrified mobility

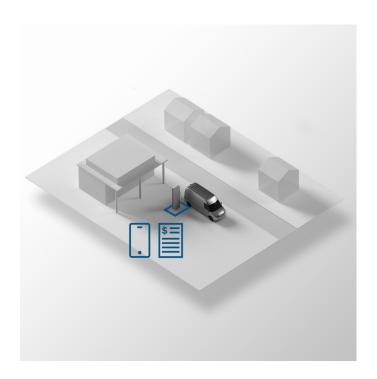
Automated

billing directly to subcontractors

Economical

due to the option to commercialize owned charge points

- Thanks to Bosch, fleet operators and contractors can reserve and complete their charging stops across various charging networks and countries and have them billed automatically
- If capacity is available, their own charge points can be made accessible to third parties, creating additional revenue





Smart energy management

Efficient management of the energy demand of e-fleets

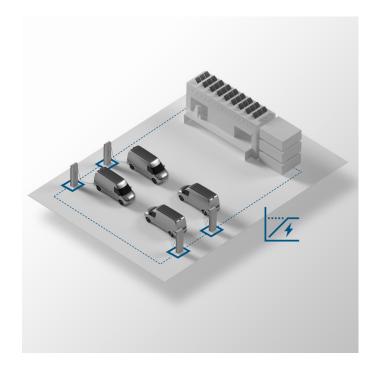
Predictive

thanks to the simulation of energy needs of charge points and depots

Costminimizing

due to the integration of solar energy and energy storage systems

- Fleet operators can manage load peaks when charging their vehicles in a way that fits best with the existing network and contractual conditions
- The consistent solution allows the energy use of depots and charge points to be optimized based on need simulations







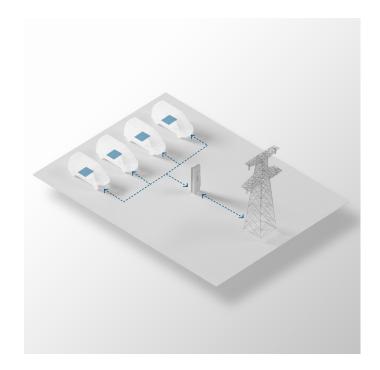
Cost-saving

through the utilization of dynamic energy tariffs

Flexibly integrable

into virtual power plants

- In the future, Bosch services will allow dynamic energy tariffs to be utilized, thereby reducing charging costs
- Using existing flexibility in the charging infrastructure and the fleet to improve network stability and trade on the energy market can generate additional revenue



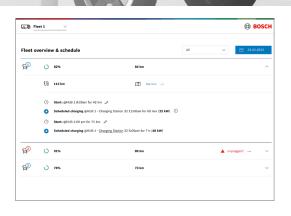


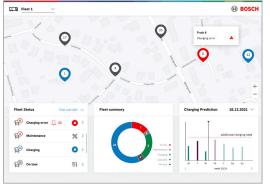
All the essentials at a glance

User-friendly dashboards for fleet und hub managers



AB Fleet 1	<u> </u>		BOSCI
Notifications	Notifications Settings		
③ 8:32 am	$\bigstar \text{Vehicle unplugged} \rightarrow $	<u>ن</u> والــــا	^
	③ 8:32 am 🔔 Email sent to	A, Hub Manager	1
	(5) 8:32 am 🔔 Email sent to	A Driver Truck 2	1
③ 9:17 am	▲ Charger error →	2 2	^
	(b) 9:17 am C Email sent to	A Hub Manager	1
(5) 8:56 am	▲ Charger error →	5 G	^
	() 8-23 am 🔔 SMS sent to	A Driver Truck 5	۵







Charging Hub 1 V	Bosc		
Charger overview & schedule		All	▶ 23.02.2022
Charging station 1 ()			~
Charge point 1A	⊙ Now ⊿		charging: 22 kWh -2h 22mi
Charge point 18	() @11 am \$		to be charged: 22 kWh <2
	() @1pm 🥒	ццр 🚥	to be charged: 11 kWh -1
	© @2 pm .ℓ		to be charged: 11 kWh -1
Charging station 2			~
Charge point 2A	() Now I	🚛 🚥 🗘	Unplugged!
Charge point 28	() Now I		charging: 40 kWh -4h 34mi
開 Charging station 3 ①			

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