

Smart control instead of costly peak loads

Peak loads are one of the biggest cost drivers in the operation of charging infrastructure. okean eliminates them through:

- Predictive control
- Dynamic power distribution
- Integration of BESS

An additional storage unit increases site capacity while simultaneously reducing the load on the grid connection.

Your benefits at a glance:



Optimisation of load profiles, including atypical grid usage



Intelligent control fully integrated with the billing backend



Extended charging capacity through BESS



Maximum utilisation without overloading the grid



Over-the-air (OTA) updates and configurations

Curious? You can find more information on our website.



We shape your
energy future –
**intelligently,
dynamically,
future ready**

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Talk to us about integrating
our EMS into your projects



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**EMS Solutions
for Charge Point
Operators**

Beyond load management

Challenges for Charge Point Operators

Electric mobility is growing, and with it the demands on operators:

- Limited grid connections
- High energy costs
- Complex regulatory requirements
- Rising user expectations for reliable, fast charging

At the same time, the demand for smart, flexible charging points is rising.





The solution: dynamic, intelligent energy management.

Our energy management system okean ensures that every vehicle is charged efficiently and in line with demand – without overloading or unnecessary waiting times.



okean optimises your charging capacity in real time

Dynamic requirements need dynamic control. okean controls your charging points so that:

-  The available grid connection capacity is used optimally
-  Charging power is distributed according to the fair-share-principle
-  Each vehicle receives the power it needs, as precisely as possible
-  Efficiency, costs and user satisfaction remain in balance

Even in the event of external power restrictions – for example, imposed by the grid operator – okean intelligently redistributes the available energy.





Result: maximum utilisation with full reliability.

Fair-share-principle: status-based power distribution

Instead of distributing charging power equally across all charging points, okean allocates it individually based on current charging behaviour, ensuring each vehicle receives the power it needs, as precisely as possible.

Remote control signals for greater grid stability

Modern charging infrastructure must serve the grid. As grid operators increasingly rely on remote control signals, our EMS okean is ideally equipped to respond.

-  Receive and implement external control commands in accordance with VDE-AR-N-4110
-  Comply with requirements for reactive and active power
-  Dynamically adjust charging power
-  Reduce grid congestion and increase stability

With okean, you actively contribute to the secure integration of renewable energy and ensure your grid operations remain stable and future-proof.

