

# Cloud Dynamic Load Management



eMabler cloud-based Dynamic Load Management (DLM) is a state-of-the-art product to manage charging services and electricity loads in sites with many electric vehicle charge points.





At first only one car is charging, so it gets all the power it can take...

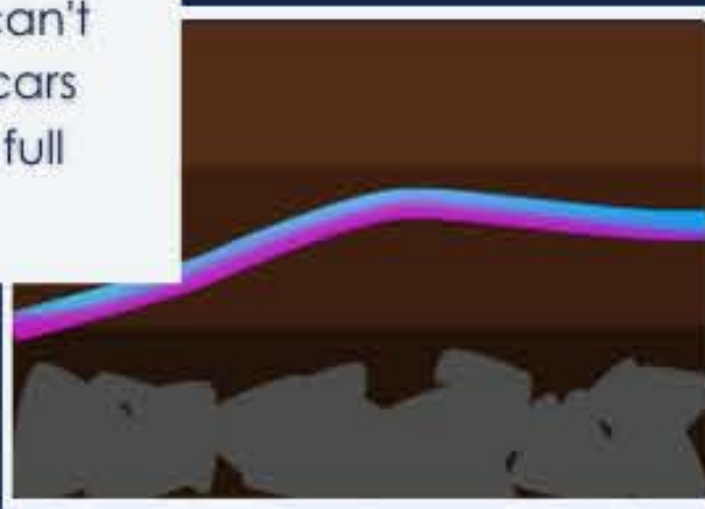


...but then...



A second car appears!

The cabling can't handle two cars charging at full power!



So with solomonian justice...

...both get half.

No parking lot is just two cars though.

A good load balancing system handles thousands of chargers – even from different manufacturers.





**Our cloud DLM helps to avoid peak loads, steers the charging with electricity price, provides different service levels and connects with external systems like Building Management System and electricity meter.**

## This is how it works:

### **Easy to set up with our Charge Point Management System:**

- **Set sites and chargers.**
- **Configure DLM:** maximum ampers, chargers' default current and connect to external systems if needed.

### **Start offering better electric vehicle charging service!**

No additional hardware is needed as the system operates in a cloud and our pre-emptive algorithm distributes the power to ensure system stability.

## Key benefits:

- **Multi-vendor sites** can be operated with our DLM as it works with any charge point manufacturer's product on the same site.
- **As one electric vehicle stops charging**, the power is distributed to the remaining vehicles and vice versa.
- **Cloud DLM monitors charging** in real time and ensures that the current doesn't exceed fuses' limits.
- **Cloud DLM** monitors the electricity connection's total load and optimizes EV charging accordingly.
- **Offer different service levels** to the end-users based on their individual needs.
- **In case a connection is lost** the system has fallback parameters to ensure vehicles can be charged and fuses are protected.
- **Round robin functionality modifies** the charging between vehicles in locations with many charge points for a better user experience.

As sites get more populated it is important to have intelligent, multi-level and dynamic load management to ensure end-user convenience and the possibility to offer different services to your customers. Your customers will appreciate this!

**We create a more sustainable future by making eMobility more accessible with our API-First EV Charging Platform.**