

Complete solutions for efficient e-mobility.

Clean and fast charging.



CO₂ free
**highspeed
charging**
in less than 30 minutes

COMPLETE SOLUTION FOR ELECTRIC CHARGING STATIONS

E-mobility is only as green as the electricity that drives it.

Give your customers and employees the chance to experience 100 % CO₂-free e-mobility. Show that your company is full of energy. You can demonstrate the sustainability and innovative power of your company by using an electric charging station with highspeed-charging.

Different charging systems depending on requirements

Fill up with
100%
green energy

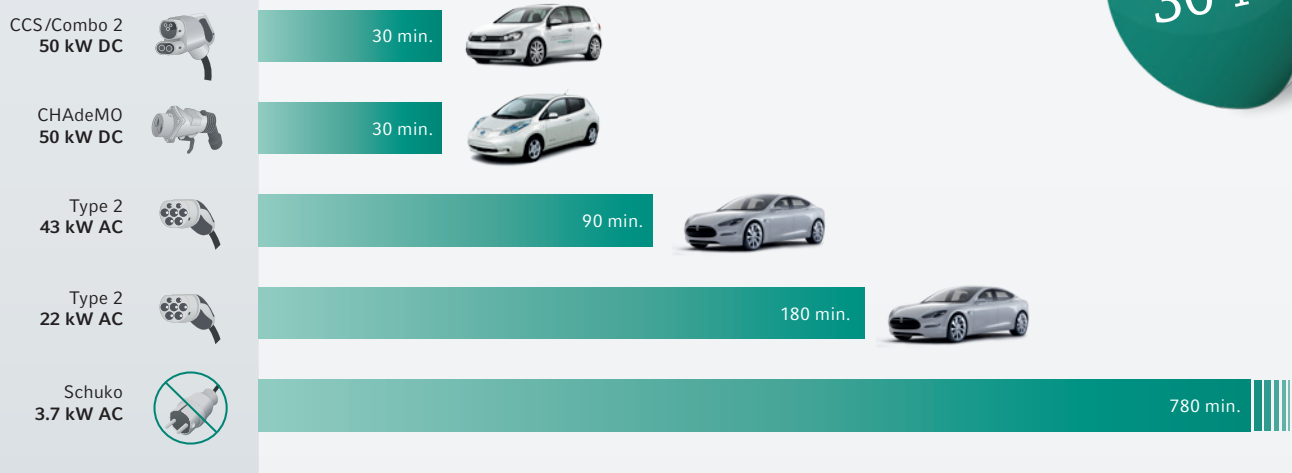


Highspeed charging with up to 50 kW from the CellCube.

The e-mobility solution from GILDEMEISTER **energy solutions** is not only clean, but also effective. With its charging power of up to 43 kW AC or up to 50 kW DC, electric vehicles can be charged in less than 30 minutes. In combination with SunCarrier systems, a roof-mounted system, or the WindCarrier, which charge the CellCube energy storage system, you can use renewable energy as a natural, highly effective alternative to fossil fuels, save money and do not burden the public grid.



Charging times of different connector systems in comparison



Highspeed charging
in less than
30 Min.

Highlights CellCube storage system

- High safety, non-flammable, non-explosive
- Practically unlimited cycling
- Scalable up to the MW-range through simple parallel connection of multiple CellCubes
- CellCube is 100 % capable of deep discharge
- Turnkey energy storage in weatherproof and securely protected housing

Think ahead. Stay mobile. Save money. With e-mobility that's worth it.

E-mobility is not just convenient and clean – it also pays for itself. Especially for companies with a company fleet, changing to e-mobility really pays off. With complete solutions from GILDEMEISTER **energy solutions**, you can cut down on operating costs and on emissions. That's a real double benefit.

Our example calculation shows how the additional costs for an e-fleet pay off after just a short period of use. If you produce your own electricity, you can save about **€ 100,000 over a year in overall operating costs** through the use of electrically powered cars. In addition, you can reduce **CO₂ emissions by around 40,000 kg**. Contact us – we will gladly tailor a customised concept for your company.

FIGURES THAT CONVINCE

The following example offers a comparison of the operating costs of an e-fleet with those of a standard fleet. The price of petrol was assumed at around 1.80 € per litre. The calculated price of electricity includes the cost of producing the electricity from wind and solar sources, a CellCube energy storage system and a charging infrastructure.

Fleet size	8 Cars
Kilometres per year	50,000
Based on number of years	30

FUEL COSTS IN COMPARISON



BMW 3series
120,800 €



VW e-Golf
20,800 €

Savings
per year **100,000 €**

CO₂ – EMISSIONS IN COMPARISON



BMW 3series
38,400 kg



VW e-Golf
0 kg

Savings
per year **38,400 kg**

Green fuel makes you a green driver

Whether you have your own e-fleet, rent e-cars or like to offer your customers and visitors a truly modern service – with the complete solutions from GILDEMEISTER **energy solutions** »green electric fuel« is available for everyone. This is how many kilometres you can do with the electricity generated by our products:



Annual range with generated power*

- **400,000 km** range with the SunCarrier 260 (53 kWp)
- **33,000 km** with the SunCarrier 22 (per wing)
- **150,000 km** with the WindCarrier (10 kW)

The benefits of an electric fleet

- Low operating costs
- Sustainable mobility in your daily business
- Your sense of corporate responsibility is visible on the road
- A green image for your company

* Calculation based on average energy production in southern Germany and a medium-sized e-vehicle.

Individual solutions for businesses.



Example of the eCube starter package (2 parking spaces)



Example of the eCube professional package (4 parking spaces)

Highlights eCube

- eCube elements combinable according to space requirements
- Highspeed charging with up to 50 kW DC
- Different standard connectors and charging systems (AC/DC)
- With CellCube: a decentralised solution without network load
- Provides emission-free and clean energy
- Protection against rain and wind with optional door



THE SOLUTION

- SunCarrier 260 with high-performance modules
- WindCarrier in VW Design
- CellCube 30-130 with e-charging station
- ABB charging point

E-mobility solution

VW Group headquarters – 100 % green e-mobility.

The first electric charging station used in the VW group was taken into operation in 2011 and has since then provided green energy to the e-golf fleet in Wolfsburg. The sustainable mobility is possible through an integrated solution consisting of renewable energy generation, storage and utilisation.

A SunCarrier 260 with high-performance solar modules and a WindCarrier in VW design ensure that the electricity is entirely produced from renewable sources, stored in the CellCube and transferred to the electric charging station. Up to six cars can be charged simultaneously within 0.5 to 7 hours. This completes the solution in which environmentally friendly cars are powered with 100 % clean, green energy.



Stollberg, Germany



Iga, Japan



Geretsried, Germany



Bielefeld, Germany

Energy-efficient complete solutions.



Energy efficiency in industry

Save energy

GILDEMEISTER **energy solutions** represents necessary and comprehensive awareness of energy, focusing on intelligent generation, storage and use of energy.

The basis of a comprehensive energy solution is the reduction of energy costs and consumption through an energy analysis and the implementation of the GILDEMEISTER **energy monitor**.



DECKEL MAHO Seebach, Germany

Generate energy

SunCarrier: The SunCarrier is a unique tracking system, which continuously aligns its module face to the current position of the sun and thus yields 40 % more energy.

WindCarrier: The small wind turbine based on the Darrieus principle has a nominal power rating of 10 kW and guarantees efficient power generation.



Energy solutions Park, Bielefeld, Germany

Store energy

CellCube: The vanadium-based energy storage system with a long service life offers interruption-free supply of power. It is available with power ratings from 10 to 200 kW and a scalable capacity up into the MWh range. In this way base load coverage, power peak limiting and safeguarding of sensitive areas can be guaranteed at all times.



E-mobility solution DMG MORI Global Headquarter Winterthur, Switzerland

Utilise energy

Intelligent products and technologies for modern industry:

- E-mobility solutions
- Industrial solutions
- Backup solutions
- Off-grid solutions
- Tele solutions
- Power solutions

Our energy experts will be happy to work out a detailed plan on how to sustainably lower your energy costs.
Give us a call on: +49 (0) 931 250 64-120

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All information here!

If your mobile phone has QR software installed, you can go directly to www.energy.gildemeister.com