

## Charging Minus the Cables – Spotlight on Inductive Charging

Inductive charging is already a fixture in electric toothbrushes or transport robots in production plants. But cable-free charging would also be a user-friendly solution for electric cars in the future: No cables to trip over or connect on a wet winter's day. All drivers would have to do is park up and charging can begin.

The concept is ingenious. An inductor installed in the ground transfers the energy wirelessly into the batteries of the vehicle. These specially equipped parking spaces commence charging automatically as soon as the car has been identified by an additional wireless connection. Ideally, this process is carried out with very little energy wastage.

One of E.ON's aims is to adapt and optimize inductive charging

for electro-mobility. This doesn't just require testing and extensive development of the technology from an early stage, it also involves creating norms and adapting guidelines to meet current requirements.

E.ON is committed to supporting research. Currently, the company is testing an inductive charging station in collaboration with the Technical University Braunschweig. The experience gained from this research will be put to use during the entire development process all the way to series production. Manufacturers will be closely involved every step of the way. By the way: The magnetic field is monitored by a security system and is therefore completely harmless to people and animals.



**Specially developed parking spaces allow electric cars to charge wirelessly via inductive charging.**

