

Press Release

E.ON and alpitronic set the pace for electromobility: 2,000 more stations and new charging solutions for ultra-fast charging by 2024

- Cooperation contributes significantly to the development of ultra-fast charging infrastructure for passenger cars and heavy commercial vehicles in Europe
- Outputs of up to 400 kW for future-oriented charging for business customers and in public areas
- Project launched for megawatt charging of electric trucks: First pilot sites to be established by 2024

A strong charging infrastructure is key to the success of electrified mobility. That's why E.ON is investing in thousands of new, ultra-fast charging points across Europe in the coming years. To install 2,000 of these charging stations by the end of 2024, the energy company has now teamed up with leading charging station manufacturer alpitronic. As part of a strategic partnership, the two companies are driving forward the expansion of charging infrastructure and the switch to electric vehicles throughout Europe.

Patrick Lammers, E.ON Management Board member responsible for the customer solutions business: "Electromobility is a key factor in advancing the energy transition and saving CO₂ emissions. To ensure that even more people switch to electric driving in the future, charging must work as quickly and conveniently as possible. At E.ON, we're therefore determined on pushing the expansion of infrastructure throughout Europe and fostering new and innovative technologies for smart charging."

Philipp Senoner, CEO and co-founder of alpitronic: "The close exchange with our partners along the value chain for charging infrastructure is essential to offer customer-oriented charging solutions. At alpitronic, this allows us to provide reliable and future-oriented charging stations and thus increase the acceptance of electromobility."

The market for electromobility continues to grow rapidly. By 2030, at least 15 million electric vehicles are expected to be registered in Germany. The resulting increase in energy demand requires the expansion and efficient management of the charging infrastructure. The 2,000 new fast-charging stations will complement the existing charging network of E.ON and its business customers. E.ON Drive customers can already conveniently charge their e-cars at around 160,000 public

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charging points in Germany and other European countries. By 2026, E.ON plans to install a total of around 5,000 new fast-charging points.

Plans include both the expansion of existing sites and the construction of completely new stations for public charging and for E.ON's business customers. E.ON will use the stations to implement holistic decarbonization projects and enable customers to charge their fleets of cars, vans and heavy commercial vehicles in an environmentally friendly way.

The latest generation of alpitronic fast-charging columns with outputs of between 150 and 300 kW will be used. Depending on the electric vehicle, electricity for a range of 100 kilometers can be charged in five minutes. The new HYC400 High Power Charger with outputs of up to 400 kW and the HYC50, the first wall-mountable 50 kW charger, will also be available to E.ON customers in the future. The increased efficiency of 97 percent will reduce energy losses to around half with this generation, which in turn has a considerable effect on saving CO₂ emissions.

Joint innovations for convenient and intelligent charging

With the ramp-up of electromobility, the intelligent integration of charging infrastructure into the power grids is becoming increasingly important. Further optimization of operation also plays a central role. Against this background, the partnership between E.ON and alpitronic goes far beyond the installation of new charging stations. Both companies have set themselves the goal of jointly driving forward the development of innovative solutions for smart charging. Among other things, the potential of intelligent load management in conjunction with time-variable electricity tariffs is being investigated.

In addition, E.ON and alpitronic want to further improve the customer experience at the charging station. The focus here is on technically optimizing the interaction between the vehicle, the fast charging station and the billing system, as well as Plug&Charge. The two partners are also pooling their expertise in the introduction of charging solutions for heavy commercial vehicles, for example for future megawatt charging. The first pilot sites with current fast-charging infrastructure for trucks are to be established at several locations in Europe by 2024.

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