



Fact Sheet

Services focusing on electric mobility

STEAG Technischer Service and STEAG Energy Services are your experts for all issues concerning electric mobility

Electric cars are the start of a new connection between energy and mobility. E-mobility will be an important part of our future-, resource conserving- and low emission lifestyle, especially in cities. In the coming years, electric mobility will therefore be a growth market for companies in both the automotive industry and the energy sector. As, however, electricity does not just magically appear at the socket, there is a need not only for charging stations, but also for the expansion of generation from renewables, smart network management and flexible storage facilities. The government in Germany has also recognized those needs and founded a National Platform for Electric Mobility (NPE) in response. "People want to achieve their goals in a fast, reliable, cost-effective and environmentally friendly process. The NPE thus views electric mobility from the users' point of view – as an integrated offering ranging from fast charging to

driving pleasure with attractive vehicles and tailor-made mobility services with electricity from renewable energies. Electric mobility is thus more than just vehicles. It is a system – vehicles, energy supply and transport infrastructure are interlinked and form a sustainable mobility system that transcends the boundaries of traditional industrial sectors. At the heart of this system stands the user." (Source: www.nationale-plattform-elektromobilitaet.de/en/)

STEAG's expertise comes to bear in the issues concerning energy, where the company has many years of experience in all the fields concerned. That is why non-proprietary consultation and service focusing on electric mobility are an integral part of the range of services we offer to our customers.



Our services in detail

Consulting services on all aspects of electric mobility

- Vehicles, charging standards, charging power, dimensioning of supply connections, cost/benefit, etc.

Design and implementation of infrastructure and electrical connection

- Project management, planning and monitoring (expediting, quality control, budget control, etc.)
- EPC contractor for infrastructure projects
- Network calculation and connection
- Implementation of the electrical infrastructure
- Installation and connection of charging stations and wallboxes
- Electrical connection
- IT connection
- Combination with storage facilities and/or renewables
- Structural engineering and approval planning/building permission
- Fire protection

Testing

- Testing of newly constructed systems to
 - DIN VDE 0100-600 Low-voltage electrical installations - Part 6: Verification, as well as
 - DIN VDE 0100-722 Requirements for special installations or locations - Supplies for electric vehicles
- Recurrent tests on existing systems

Commissioning

- Commissioning of newly erected charging stations, including all specified measurements and tests

Operation and maintenance

- Monitoring 24/7 by a central control room
- Servicing and maintenance
- Fault clearance 24/7

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