



News Light+Building

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The efficient use of resources and energy not only avoids unnecessary CO2 emissions. It is also an essential prerequisite for maintaining our standard of living. At the same time, e-mobility can make an important contribution to the reduction of CO2 emissions and is thus a key to achieving climate goals. According to calculations by the National Platform for Electrical Mobility, the number of electrical vehicles in Germany is expected to rise to between 7 and 10.5 million by 2030.

The fundamental prerequisite for social acceptance of e-mobility is a fully functional charging infrastructure, which means 700,000 to a million normal charging points plus 70,000 to 100,000 quick chargers (basis: EU-AFID Directive) will be needed for public areas. Nevertheless, most recharging will be done privately (85 percent), i.e., at home or at the workplace, and calculations call for some 9 to 11 million private charging points by 2030.

Light + Building 'Power for Mobility' special show presents solutions for the electrical infrastructure in buildings. Source: Messe Frankfurt / Art der Gestaltung

Achieving the prerequisites for e-mobility is a complex task requiring account to be taken of many social aspects. As the platform for all power-drive systems in and on buildings, Light + Building from 8 to 13 March 2020 will focus primarily on charging processes in the private sphere.

The 'Power for Mobility' area spotlights the prerequisites necessary for the integration of charging points in the electrical infrastructure of a building. Digital projections show which parts of the infrastructure must be checked and, if necessary, adapted. This is important because adaptations to the energy supply of a building lead to changes in the technical building-management processes - and these changes depend on the type of building involved. Moreover, the number of charging points needed in both the public and private spheres should be checked. The impact on the building is then visualised using a variety of product examples.

Additionally, the most important considerations will be illuminated within the framework of a daily programme of chaired discussions. The programme features will include current challenges from industry and research. Parallel to this, associations, institutes and public bodies are invited to make a thematic contribution with a compact information desk.

The aim of the special show is to spotlight the electrical charging infrastructure as a challenge and to reveal the variety of solutions available. 'Power for Mobility' is primarily a meeting place for all

concerned in the market, e.g., specialists from the sector, as well as property owners and managers, who want to find out about important aspects and discuss them with experts.

Light+Building will be held in Frankfurt am Main from 8 to 13 March 2020