

1 Grid integration



The work module Grid integration revolves around exploring how the roles for integrating e-mobile storage and charging technologies into the grid and market can be shared across the participating players most efficiently – both economically and environmentally – within the overarching system of a deregulated energy market and mobility sector.

- Optimised energy procurement and market participation:

Identifying necessary and available information systems to achieve economically and environmentally efficient inter-player relationships with a view to integrating e-mobile storage and charging technologies into the market, taking into account the spread of player-specific optimisation processes.

- Innovation by observing players and interactions

- Operating and controlling micro smart grids:

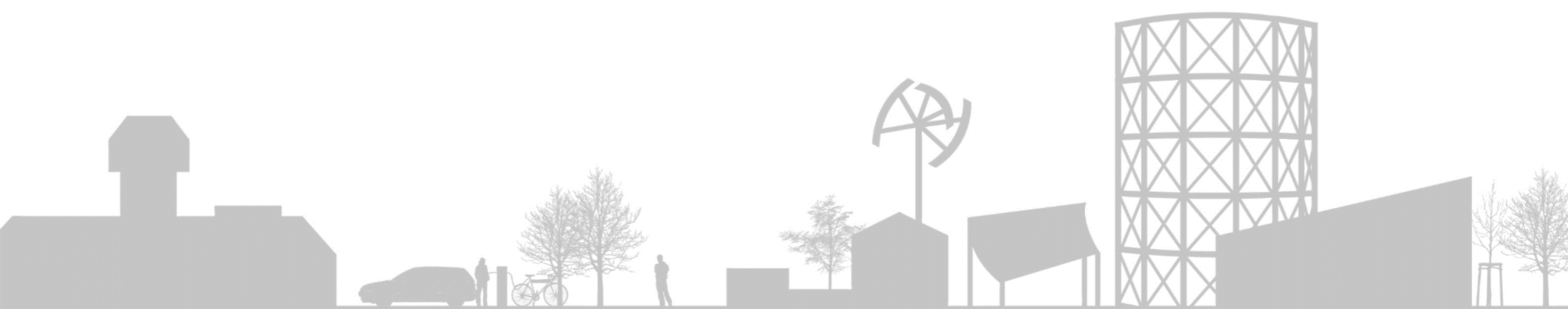
Penetrating as far as the low-voltage level from the grid-management level, as well as maintaining/increasing the reliability and availability of power grids through automated charging infrastructure, decentralised energy systems and actively operated smart meters.

- Advancement by digitising the low-voltage level

- Interface systems and smart networking:

Scalable, cross-area integration of e mobile storage and charging technologies by using/further developing standardised interface systems and communication protocols, and by taking into account the requirements of internal and external players.

- Implementation through technology and user-oriented framework conditions



The Mobility2Grid research campus is coordinated by the Mobility2Grid e.V. association.
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