Bremen demonstrator: GreenCharge@work

What? Commuters receive re-charging from their company's power grid, which is supported by photovoltaic energy source and storage in used EV-batteries.

Why? An increasing number of employees will buy electric vehicles (EVs) and wish to recharge during working hours in addition to the company's fleet of eCars. However, the power grid capacity is currently limited.

Our aim: To realize smart and cost-efficient charging for both commuters' EVs and fleet of eCars - respecting a pre-set power limit of the local grid.

Target groups:

- Commuting owners of EVs
- Enterprises
- Communities supporting sharing of eCars

Innovative features:

- Booking of charge points
- Energy management
  - Peak-shaving capability
  - Automatic overnight reloading of stationary used battery storage

Enabling features (state of the art):

- Private and company fleet EVs
- Storage in used EV-batteries
- On-site PV energy supply
- Priority charging

Contributors:

- PMC (charge point operator)
- HUBJ (e-roaming)

www.greencharge2020.eu

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