



[V2G and V2Home in complex housing districts]

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Introduction

The main idea of this research proposal is that organization which own or manage bigger housing districts can work together with fleet management companies (car sharing organizations) and utilities in order to maximize the added value of electro vehicles (EV): the batteries of the EV can be used within the housing area to optimize the self-consumption of the local photovoltaic production, to organize sustainable mobility to the dwellers in addition to manage storage capacity and reduce the burdens of mismatching of production and demand at the level of the distribution grid. However, there are several barriers to bring this player together and reap the benefits of V2G and V2Home in apartment house or housing districts

Expected deliverables

Knowledge in the organization and implementation of V2G and V2Home concepts in complex housing districts
Development of joint organizational, institutional and technological solutions here

Required partners

Partners for a joint EU project

More information / Website

https://www.zhaw.ch/no_cache/de/forschung/personen-publikationen-projekte/detailansicht-projekt/projekt/3210/

