

Study: Understanding Swiss Charging Infrastructure in 2050



How will Switzerland charge in the future? For the Swiss Federal Office of Energy (SFOE), we examined the mix of charging options Switzerland will need by 2050. To this end, we developed a common understanding with the most important stakeholders. We then modeled the future charging infrastructure and created three different scenarios, or “charging worlds.” This enabled us to derive soundly supported conclusions. The main takeaway of the study is clear: the time to act is now.

Our services

- Developing the federal government's new official electromobility forecasts
- Designing the comprehensive dialogue process for more than 80 experts and 18 national associations
- Promoting a broad-based, common understanding among the relevant stakeholders on the future development of the charging infrastructure
- Developing strategic directions, planning principles and recommendations for action for the relevant stakeholders
- Contributing to speeding up the implementation of charging infrastructure in Switzerland

Client

Swiss Federal Office of Energy (SFOE)

Facts

Period 2022 - 2023

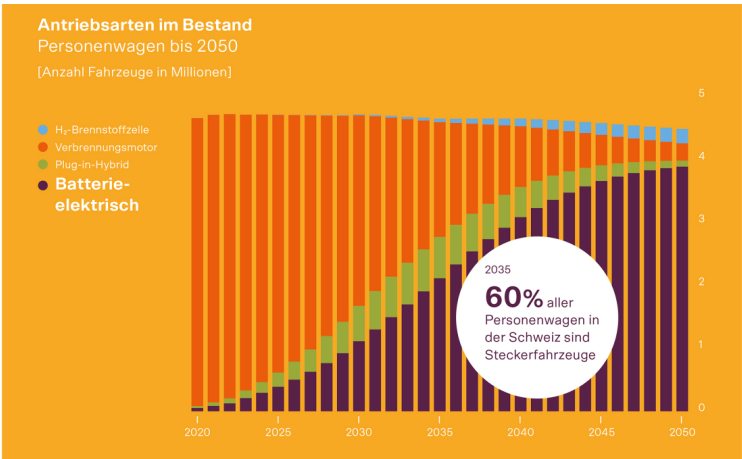
Project Country Switzerland

Contact persons

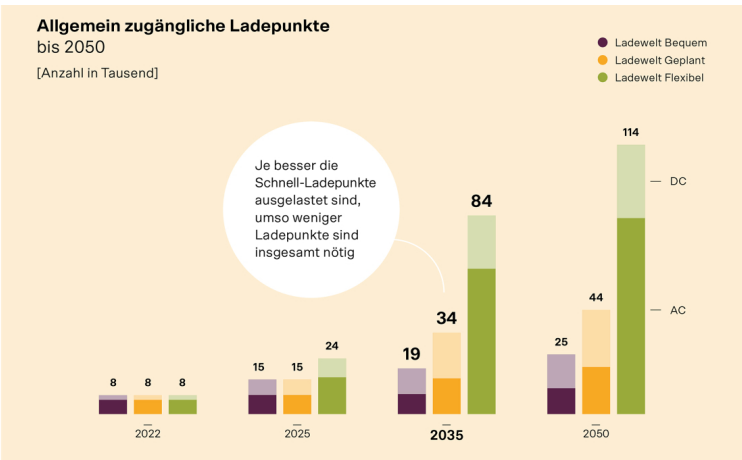
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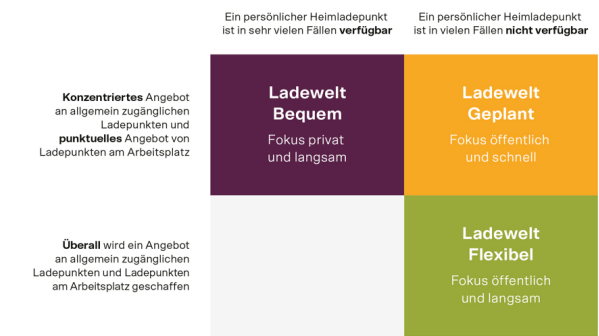


Development of drive technologies up to 2050 - electric prevails

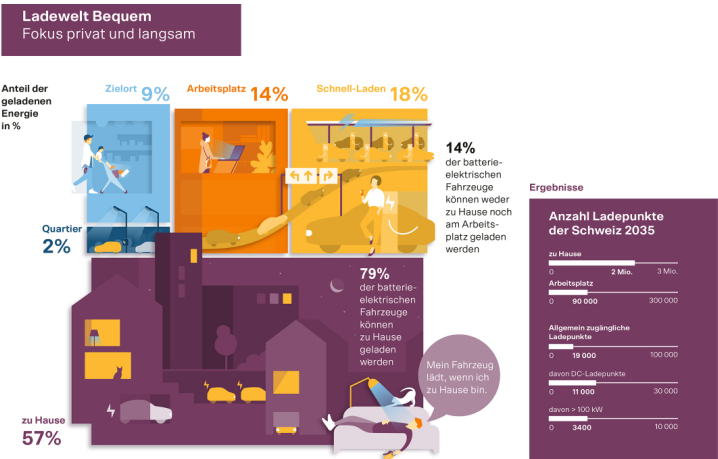


Development of a publicly accessible charging network for each of the three charging worlds

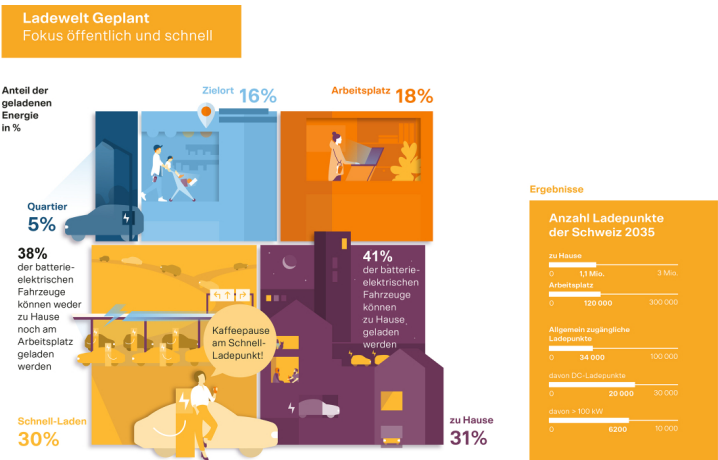
Drei Ladewelten
Konsistente Entwicklungen
der künftigen Ladeinfrastruktur



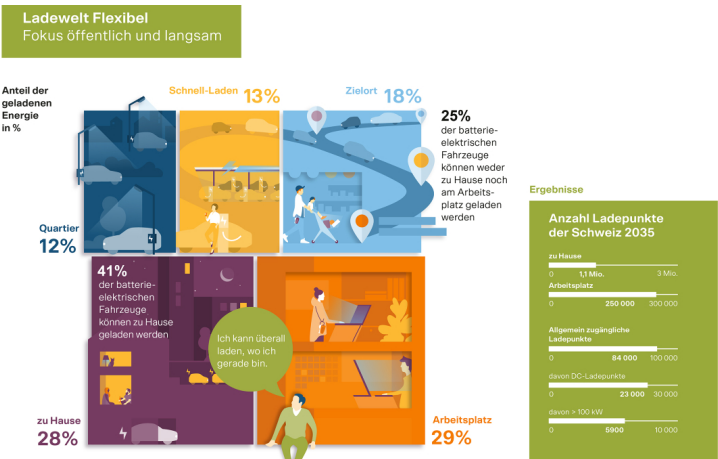
Three charging worlds - consistent developments of the future charging infrastructure



Charging world (Convenient) - focus on privately accessible charging at low power levels

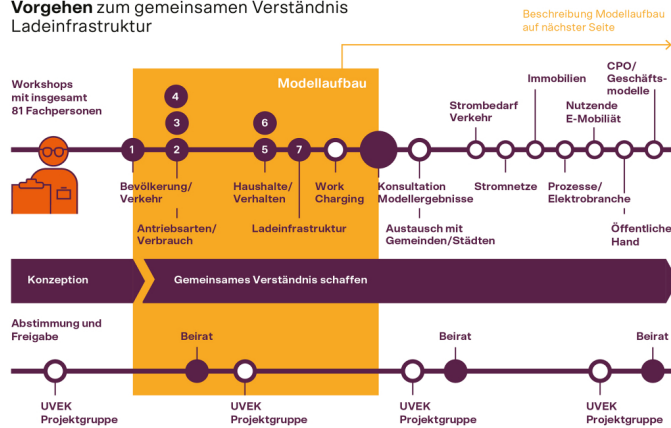


Charging world (Planned) - focus on publicly accessible fast charging



Charging World (Flexible) - focus on publicly accessible charging at low power levels

Vorgehen zum gemeinsamen Verständnis Ladeinfrastruktur



Results: based on broad consensus among tech and planning experts



Modeling of Switzerland's charging-infrastructure development