

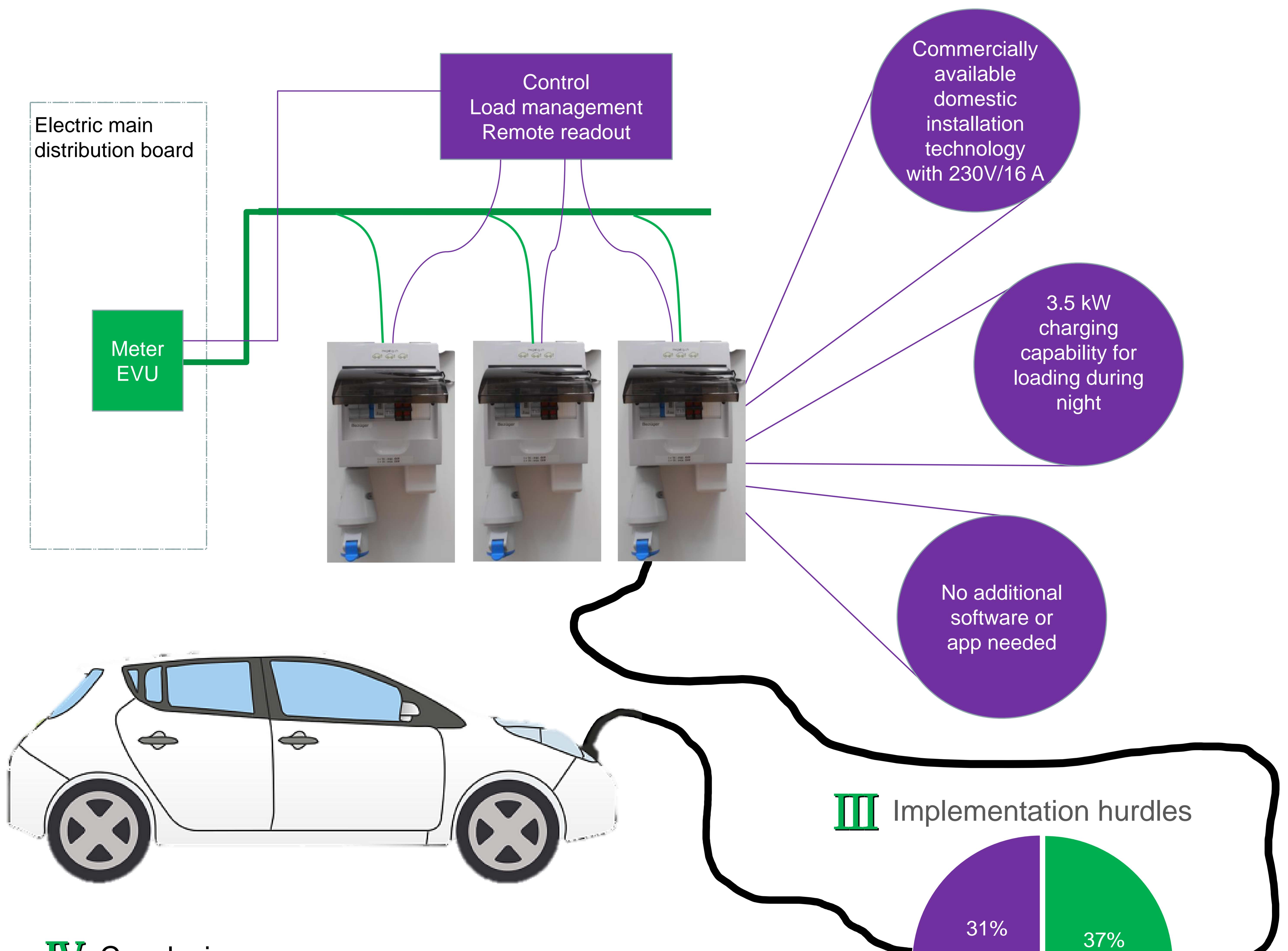
Charging sockets for eMobility – simple, inexpensive, scalable

I Initial situation

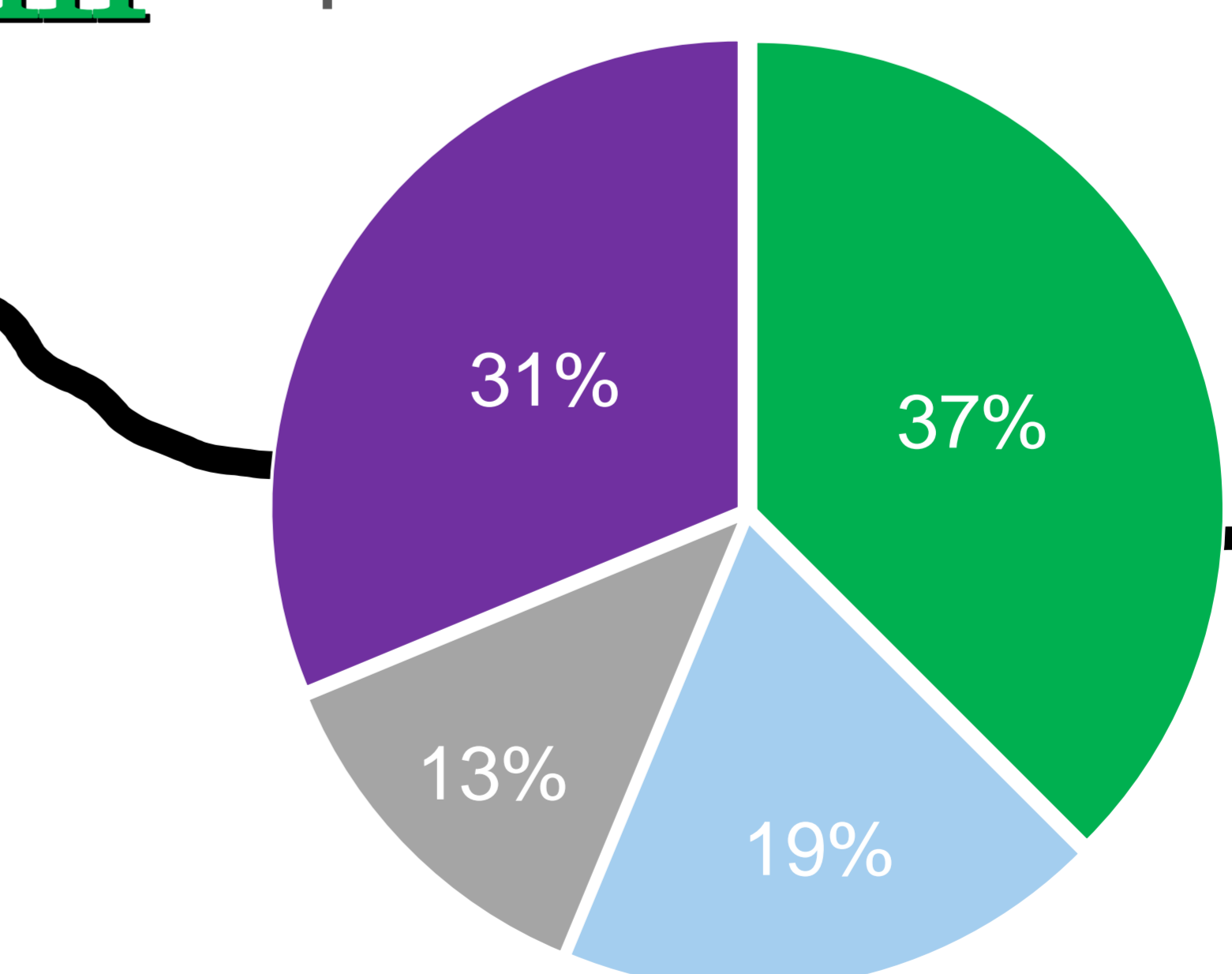
Most of the Swiss live in rented flats and their cars are parked in communal parking garages. These garages are not equipped for charging electric vehicles. The installation of power sockets is therefore very costly for garages up to 200 parking spaces. Megalog.ch offers a system with cost effective billing of electricity purchasing and an integrated charging management system.

II Project aims

- Conduct interviews with real estate companies
- Find out and describe technical challenges for installation in garages
- Uncover legal difficulties



III Implementation hurdles



- expensive infrastructure
- Not requested by tenants
- competition with public charging stations
- difficult to implement

IV Conclusion

Charging stations are needed but real estate companies are not aware of this. The client's solution would be to offer charging by using a CEE 16A socket. As the vehicle is charged with alternating current, expensive leakage current protection can be avoided. This means that commercially available components can be used everywhere in the system. An additional socket is also available so that a vacuum cleaner etc. can be connected.

Sources:



Project number: EUT-P5bb-18HS-06
 Client: bossert services
 Project author: Simon Reissmüller
 Project coach: Corinne Mühlebach