

# LV Network Design

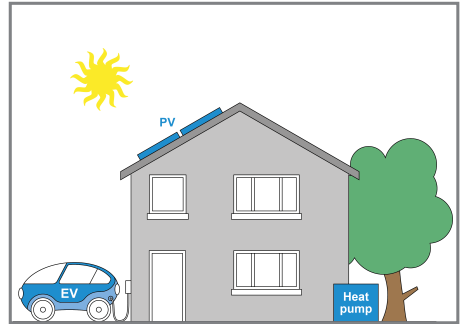


## Context:

DNOs required new guidance for LV network design to take account of increasing levels of connected 'low carbon technology'.

Learnings from LCNI projects were relevant to LV network design.

LV network generation considerations were relevant for short-circuit estimation.



"Design rules which take account of heat pumps, EV and generation produced"

Threepwood worked with DNOs to develop new guidance for the design of LV networks, using learnings from projects.

## Conclusions:

- New guidance complements the established methods of LV design, e.g. ADMD method
- Specific consideration for treatment of PV generation during the summer and heat pumps during winter
- Quantified the impact of generation on the short-circuit level on the LV network.