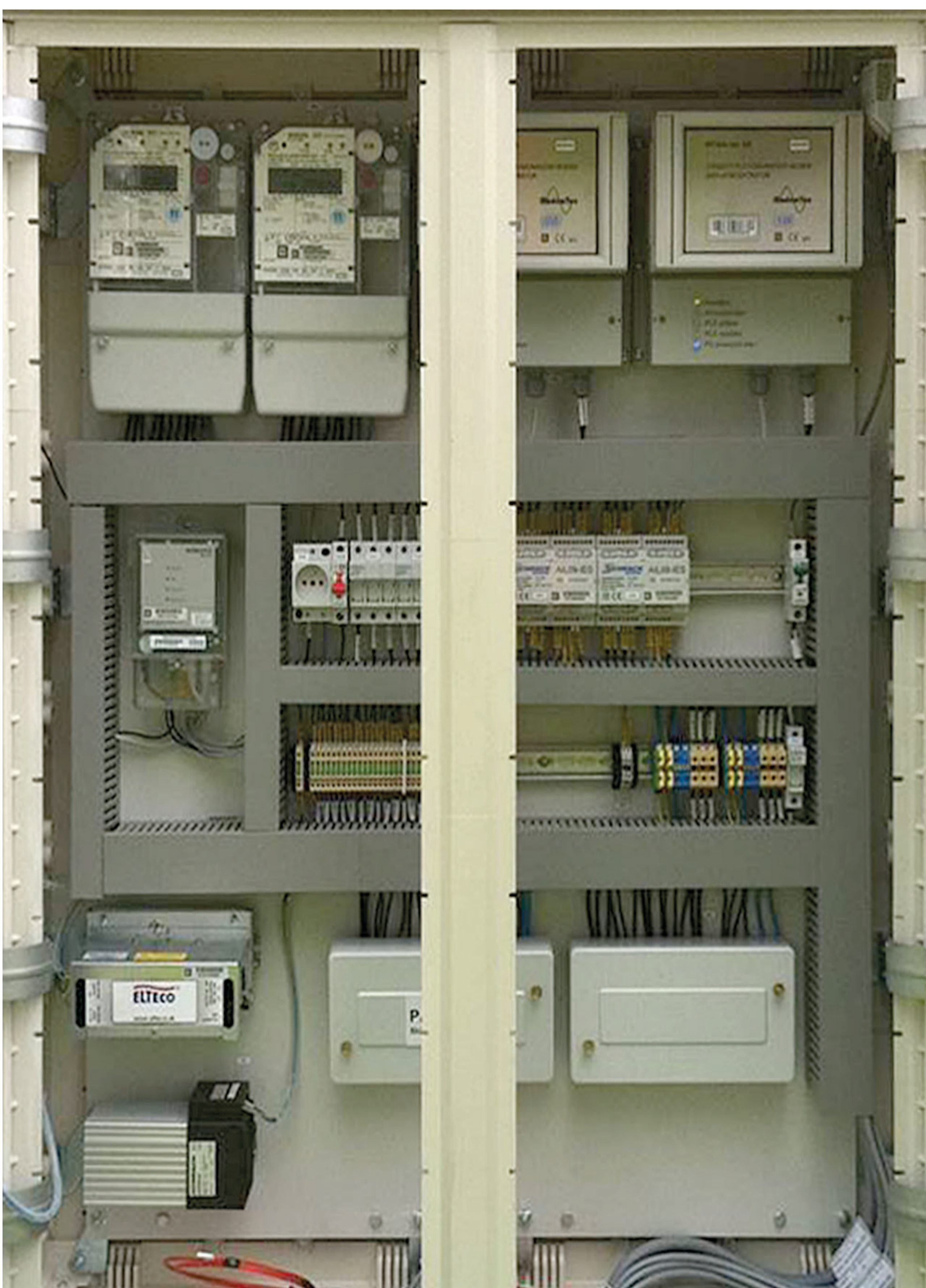


EXTENDED AMM PILOT PROJECT

Objective

To verify technological, logistic, safety and economy requirements for possible full deployment of AMM (Advanced Metering Management).



Description

The project tested 35,000 smart meters, communication to the data center and connection to control, invoicing and financial systems. The implementation took place in three locations with different characteristics of distribution grids including different operational, geographical, demographical and meteorological conditions.

AMM installation in distribution transformer station

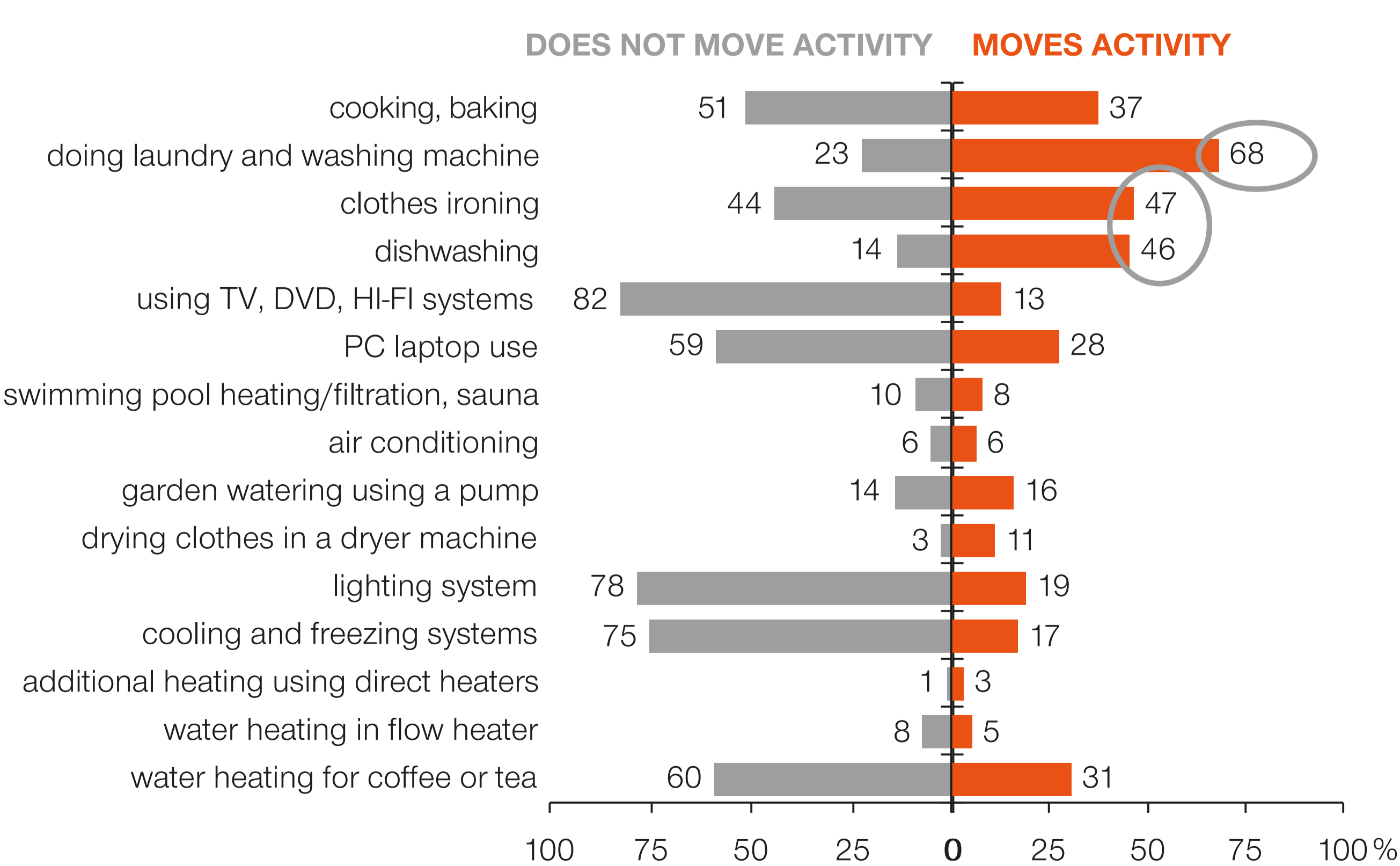
Technology

Last Mile Communication technologies, communication architecture and the solution used to manage measured data including connection to operational systems have been tested.

Evaluation

The project served as a basis for the creation of the National Study in line with Directive 2009/72/EC and recommended a postponement of the full deployment of AMM due to the reasons below:

- systems implemented in other countries cannot be easily integrated with conditions in the Czech Republic
- the tested AMM technologies were not able to fully replace ripple control system used in the Czech Republic for consumption management
- previously low use of shielded cables creates a large number of crosstalks during AMM operation.



Level of willingness of clients to move activities during the day