

ELECTRICITY TEST

- identify the actual need for the main circuit breaker
- helps to prevent unnecessary expenses
- gives recommendations for future activities

Take few minutes to test and see if today's power system meets your consumption needs.

FULL LOAD MEASUREMENT

Full load measurement will give you an overview of the size of the main circuit breaker your home needs.

PER CENT LOAD MEASUREMENT

You should choose per cent load measurement if you want to measure the power consumption of individual appliances or rooms. The test does not make any recommendations on the choice of the main circuit breaker.



1

Turn it on

Turn on the electrical appliances you are using at the same time.

Selected appliances and rooms for the per cent measurement.



2

Start measuring

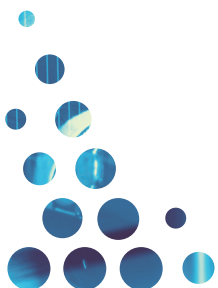
Metering may take some time.



3

Check out the outcome

Check out the outcome and recommendations.



SOLUTION OVERVIEW

Electricity test is solution what helps electricity distribution system operator (DSO) to extend their smart meter infrastructure to serve different use cases. Use cases are addressed to provide value for utilities in their daily operations and provide additional services for utility clients. DSO-s can create use scenarios to motivate customers to select connection schemas what are more favorable for utility by driving customers toward schemas requiring less investments, or to support higher utilization of assets. Services designed for utility client are opening additional service revenue opportunities for utility.

Conceptual idea for Electricity test product family is to provide capabilities with minimum dependence from vendor-based reading systems. Electricity test is cloud based software created and adopted by Elektrilevi, DSO operator in Estonia operating network with over 600 000 smart meters. Electricity test interacts with smart meter reading system(s) to gather data to fulfill desired functionalities. Results provided by Electricity test can be reported in to utility information system or in to interfaces designed according to user group needs.

Functionality what was introduced first is advisory service for utility customer to determine right contractual fuse for connection point. This functionality is generating report to end customer about her/his maximum current load and how measured load is correlating with current contractual fuse size. Also, if there are imbalances in loads between the lines then this is brought out to customer with suggestions how to solve problem. Solution is working autonomously, and DSO or service provider workforce is not involved.

Functionality can be also implemented to fulfill other DSO needs or DSO can implement service to create additional revenue. Some potential use cases are below.

Service can be opened for certified third party partners who are providing services for DSO clients. It can be part of the advisory service before or during electrical works at customer.

DSO call center can obtain actual status information during support call with customer at site. It helps determine actual situation at site.

Customers can monitor their remote sites (summerhouse), rented properties or small business activities.

Elektrilevi Digital Solution team



Elektrilevi is the biggest DSO in Estonia. We manage 64 000 km of power lines and over 24 000 substations up to 110 kV and invest 50-60 mln € into network reliability every year. In addition, we utilize the vast knowledge from managing our power grid by offering infrastructure services that are managed effectively and proficiently. Elektrilevi is an affiliate of the largest state-owned company Enfit.

