Open LV

How could you benefit from access to local electricity network data?

OpenLV is opening up data from local electricity networks – and you're invited to get involved

What is OpenLV?

OpenLV is a groundbreaking project that's making local electricity data openly available.

The project is trialling an open software platform in electricity substations that can monitor substation performance and electricity demand. The LV-CAP™ platform is designed to integrate with third party products to enable network control and automation, and increased customer participation in network management.

As part of the OpenLV project, the software will be installed in 80 Low Voltage (LV) distribution substations located in Western Power Distribution's (WPD) licence areas – the Midlands, the South West and South Wales. The software could ultimately be deployed across the electricity network.

Could you benefit from local electricity network data? If so, the project is inviting businesses to propose ideas for apps to utilise such information.

How we will support your involvement in the project

Benefits of being involved in OpenLV

We are offering companies the opportunity to be part of this flagship WPD research project that will showcase how LV network data can be utilised to accelerate the implementation of the smart grid. By developing apps to provide benefit from the data, the OpenLV project will provide vastly increased levels of knowledge about capacity on local electricity networks, which will be of benefit to sectors such as the following:

- Electric vehicle charging industry
- Battery/energy storage and solar/windfarm/renewables developers
- Micro-generation
- Heat networks
- Commercial generation and storage
- Property and facilities management
- Smart buildings and smart cities
- Private network operators
- Power equipment developers
- Electricity industry
- Distribution Network Operators

We will support the involvement of companies wishing to develop apps for the OpenLV project in a number of ways, including:

Software Development
We will provide:
1 The application programming interface (API) for developers intending to write applications to run on the OpenLV platform
2 A testing environment for third parties that develop apps to enable them to be tested before they are deployed
3 A skeleton app that provides base code for third parties to utilise to speed up app development.

OpenLV Platform
We will provide the infrastructure and the physical hardware and sensors that enable LV monitoring data to be collected. Data that is collected is outlined in the measurement point documentation (available at **openlv.net/resources**)

Background Infrastructure
We supply the server to deploy new apps to the OpenLV platform. We also supply the server that provides access to data collected by the OpenLV platform to third parties.

What happens next

If you would like to get involved in OpenLV you are invited to complete a short survey, accessible via the website: openlv.net/about/the-project/for-business-and-academia

If you would prefer to discuss the project with us in person, our contact details are on the rear of this leaflet.

Confidentiality and protection of your ideas
We understand that ideas are valuable. The OpenLV team is happy to sign a non-disclosure agreement with you at any stage of the process. You will be able to retain the intellectual property from any apps developed through the OpenLV project.

Timescales
- Ideas for apps to be selected by the end of April 2018
- Apps to be developed by the end of August 2018
- Trial runs from September 2018 to July 2019

The OpenLV Team

EA Technology
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Western Power Distribution
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Project suppliers

Nortech
www.nortechonline.co.uk

Lucy Electric GridKey
www.lucyelectric.com

CSE
www.cse.org.uk

Regen
www.regensw.co.uk

Contact

**Watch our video and find out more
at our website: www.OpenLV.net**

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