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## Press release

### **Testing batteries to improve services in the distribution grid**

Elvia has chosen Pixii as the supplier of 2 large batteries which will be used in a pilot project to test and verify the impact in the distribution grid. The project has a timeline of 5 years.

The batteries will be installed in 2 different locations, where the batteries will be used to manage load peaks in the distribution grid. The pilot will also explore how smart battery solutions can improve the general quality of the supply of electricity.

- In this pilot, we will test the battery technology in cooperation with customers in areas where we have challenges during peak load periods. This can be in remote areas, with long distance between customers and with a considerable increase in their peak consumption, e.g. due to charging of electrical vehicles. Our aim is to reduce the cost of upgrading our infrastructure and enable a smooth rollout of electrical vehicles to our customers, says Alf Inge Tunheim, Project Manager at Elvia.

- The electrification of transport will give us challenges in operating the distribution grid in many areas. The technology we are now developing, will contribute to avoid "bottle necks", which is important to realize the green transition, added Tunheim.

The pilot is a part of a larger project named "Flexibility in the distribution grid". This is in turn a part of the national "Intelligent Distribution of Electricity" (IDE), managed by the Smartgrid-center which is partly financed by Enova (an entity under the Norwegian Ministry of Climate and Environment supporting and investing in climate friendly technologies). The main project will explore various solutions to the challenges in the electricity system, with a main focus on the low voltage distribution grid.

- For us this is a very exciting pilot, where we can test and verify important and advanced functionality in the field. It will give us valuable experience and a verification of our technology which is key to further develop this market in Norway and internationally, says Morten Schøyen, Chief Marketing Officer in Pixii.

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#### **Elvia**

Hafslund Nett AS and Eidsiva Nett AS merged effectively from January 1st 2020 to Elvia AS. Elvia is Norway's largest Distribution Grid Operator (DSO) with approximately 900,000 customers. Elvia builds, operates, develops and maintains the distribution grid in Oslo as well as the greater portion of Innlandet and Viken counties.

#### **Pixii**

Pixii AS develop, manufacture and market modular energy storage solutions for improved utilization of existing grid infrastructure and optimal use of new renewable energy. Pixii AS is a Norwegian high-tech company with a global reach through partners. The company has a sales and administration office in Oslo and an R&D department in Kristiansand

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