



envelio wins bid for grid simulations in Norway:

Grid operator Glitre Nett AS uses Intelligent Grid Platform to calculate free grid capacities

- **envelio wins international bid within the framework of the "DataArena" project of the Research Council of Norway**
- **The Intelligent Grid Platform assists Glitre Nett in the rapid response to grid connection requests as part of the project**
- **Customers will benefit from fast feedback on their grid connection request**

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The cleantech company envelio has won an international bid for the digitalization of electricity grids in Norway. envelio's software solution, the Intelligent Grid Platform, will support the Norwegian electricity grid operator Glitre Nett in the implementation of an early response solution. The aim is to evaluate customer requests for a grid connection in real time and to provide initial information as quickly as possible to support the further ramp-up of renewable energy sources and charging points.

The tender was part of the research project "DataArena". The research project aims to accelerate the digitalization of the Norwegian grids and thus facilitate the energy and mobility transition. The aim of the project is to develop a simulation service that improves the use of and access to existing grids. To achieve this, data and simulation models from grid operators will be used and integrated. The project focuses primarily on actors with power requirements above 1 MW. The project is funded by the Norwegian Research Council and runs from 2022 to 2024.

Glitre Nett makes use of the Online Connection Check application of the Intelligent Grid Platform. envelio's solution provides the complete backend for the calculation of grid connection requests. The white-label solution from the Cologne-based scale-up includes for example automated calculation of the grid's hosting capacity and identification of necessary grid reinforcements to allow connection to the grid. Customers benefit by being able to easily receive information about the grid connection point and the expected costs. This speeds up the connection process for all parties involved (network operators and customers) and aims to improve the management of the ever-increasing demands on the grid infrastructure, as well as making the best use of existing grid capacity.

Dr. Simon Koopmann, Co-Founder and CEO envelio on the cooperation with Glitre Nett: „With Glitre Nett, we are very proud to have convinced another grid operator in the Nordics and our first customer in Norway of our solution. Winning a competitive tender process and fulfilling the associated requirements once again underlines that the IGP and its applications are suitable for the digitization of grids worldwide. We are very much looking forward to starting the collaboration with Glitre Nett."

Per-Oddvar Osland, Research Manager Glitre Nett adds: "Glitre Nett is happy to have envelio on board in our efforts to achieve our research ambitions. Intelligent Grid Platform (IGP) will play a central role in DataArena, a research project where the objective is to guide and assist customers in need for grid capacity. This is an important step in the ongoing electrification, and hence supports us achieving sustainability goals."

About envelio:

Founded in 2017 as a spin-off of RWTH Aachen University, envelio provides software for grid operators. With its Intelligent Grid Platform, the clean tech company enables its clients a transparent insight into the actual processes in the grid. The digital twin gives grid operators the opportunity to optimise processes through automation and digitalisation, to eliminate bottlenecks in the grid and to automatically manage grid connections. In this way, the Cologne-based company creates the foundation for a demand-oriented development of the distribution grids as well as the establishment of flexible smart grids. In line with the motto "Smart grids for a sustainable future worldwide", the award-winning software

company wants to offer its platform solution in more and more markets and continue to drive forward its internationalisation

About Glitre Nett:

Glitre Nett is Norway's second largest grid company, and every day ensures that more than 320,000 customers have electricity supply. Modern technology and smart energy solutions are an important part of our everyday life. Glitre Nett is the result of the merger between Agder Energi Nett and Glitre Energi Nett. The company has a total of more than 30,000 km of power grid, more than 12,000 secondary substations, and 133 substations and switching stations in Agder and Buskerud. Glitre Nett has around 350 employees and is a wholly owned subsidiary of Å Energi.

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