Further expansion of NextGrid

Fagne





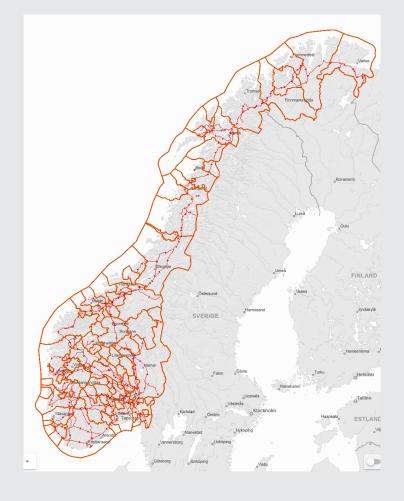






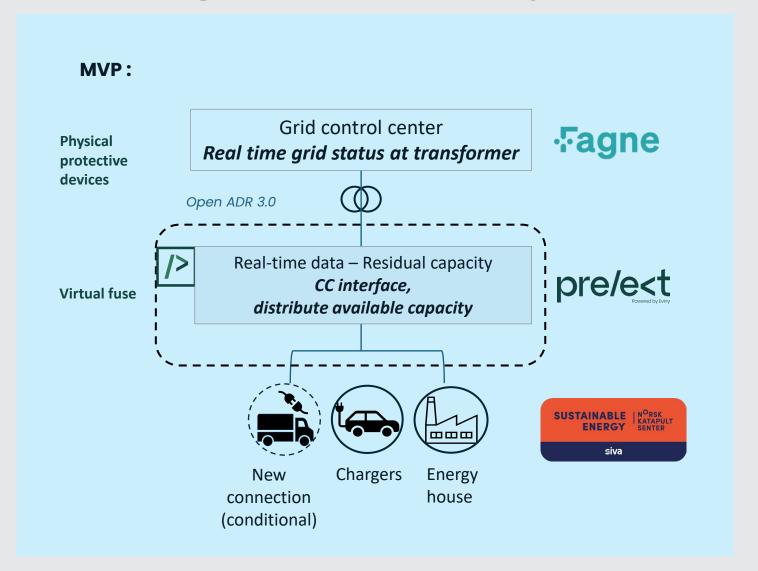
NextGrid: A Step Toward a Smarter Grid

- Fragmented DSO landscape
- Different technical approaches
- Future potential





TPV pilot with Fagne

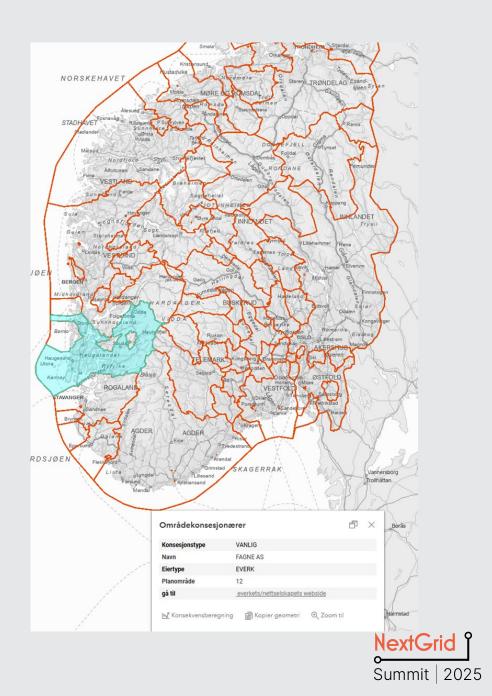


Sweden vs. Norway Conditional Grid Connections and Standardization

Area	Sweden	Norway	Sweden's Advantage
National coordination	Has an <i>industry-wide</i> recommendation coordinated by Energiföretagen Sverige.	No national coordination or shared guidelines between DSOs.	Common direction and shared understanding across all DSOs.
Standardization	Adopted OpenADR as national standard for communication.	Several parallel protocols (RTU-based, manual or local pilots).	One unified and future-proof protocol reduces fragmentation.
Proof of concept (PoC)	National PoC tested OpenADR with DSOs and customers.	Limited pilots, not coordinated nationally (e.g., NextGrid).	Shared experience and validated results at national level.
Technical maturity	Transitioning to OpenADR 3.0 (RESTful API, JSON).	Some RTU-based and early OpenADR tests.	Ahead in digitalization and interoperability.
Documentation and guidance	Detailed <i>industry recommendation</i> (ver 1.0) published and shared.	No equivalent guideline for Norwegian DSOs.	Clear framework for implementation and compliance.
Customer interface	Defined process for customer acknowledgment and real-time data exchange.	Varies by DSO; often manual or project-based.	Predictable and automated interaction for all stakeholders.
Signal harmonization	Standardized parameters and signal naming.	Different systems, no unified signal structure.	Easier integration for customers across DSOs.

The Challenge

- Limited grid capacity
- Long lead times for new industrial connections
- Restricted regional growth



The Goal

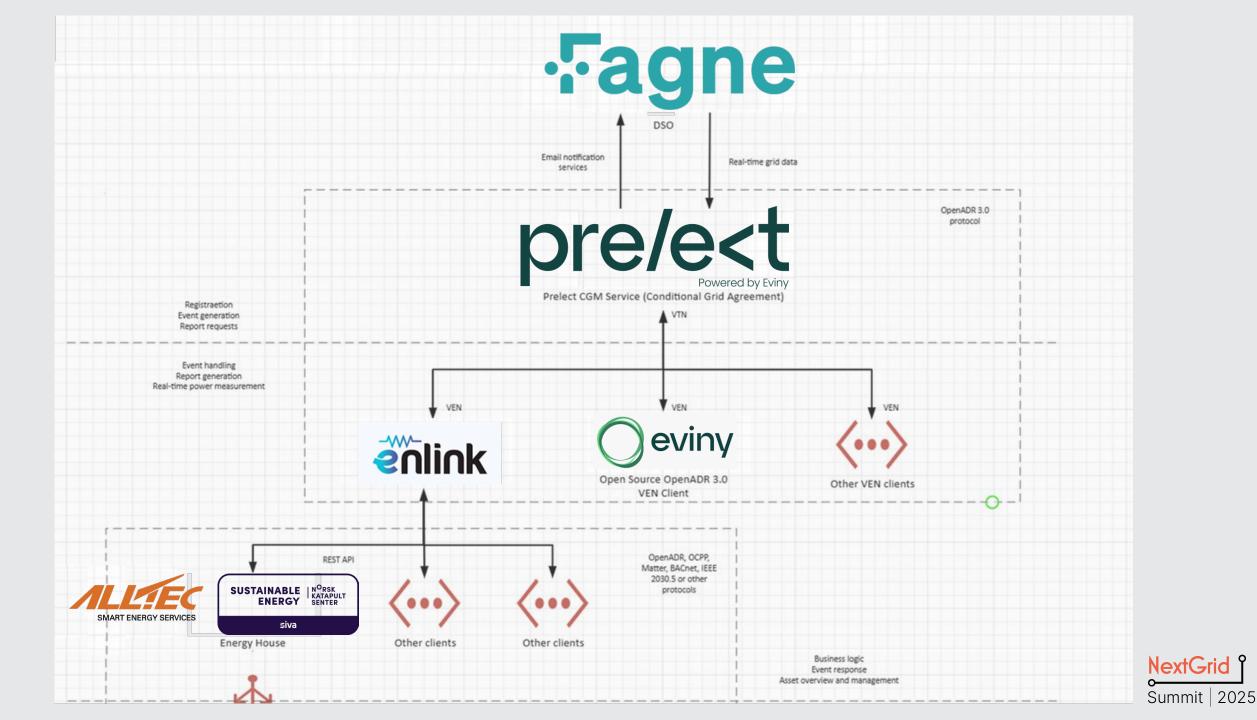
- Develop a prototype for automatic load control
- Contribute to faster and more flexible grid connection
- Support sustainable industrial growth in the region



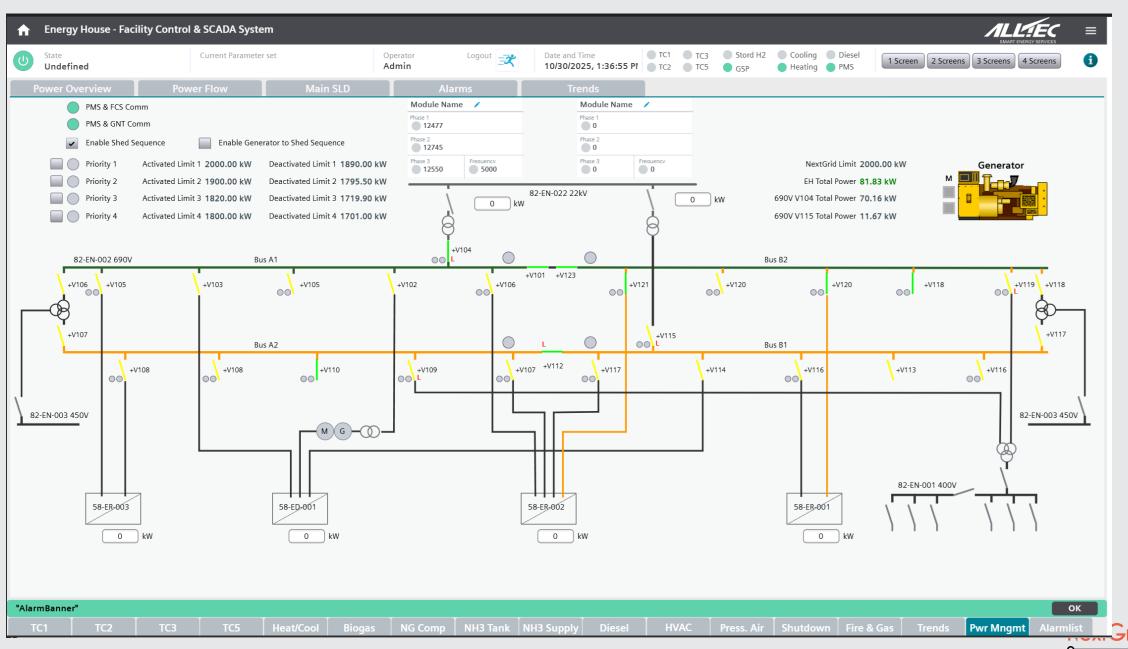
The Solution

- Automatic load management based on real-time data
- Conditional grid connections without major upgrades
- Smarter, more flexible operation of the local power grid









The Impact

- Faster access to the grid for new and growing industries
- Better utilisation of existing grid capacity
- Reduced need for costly and time-consuming grid expansions

Thank you for your attention

