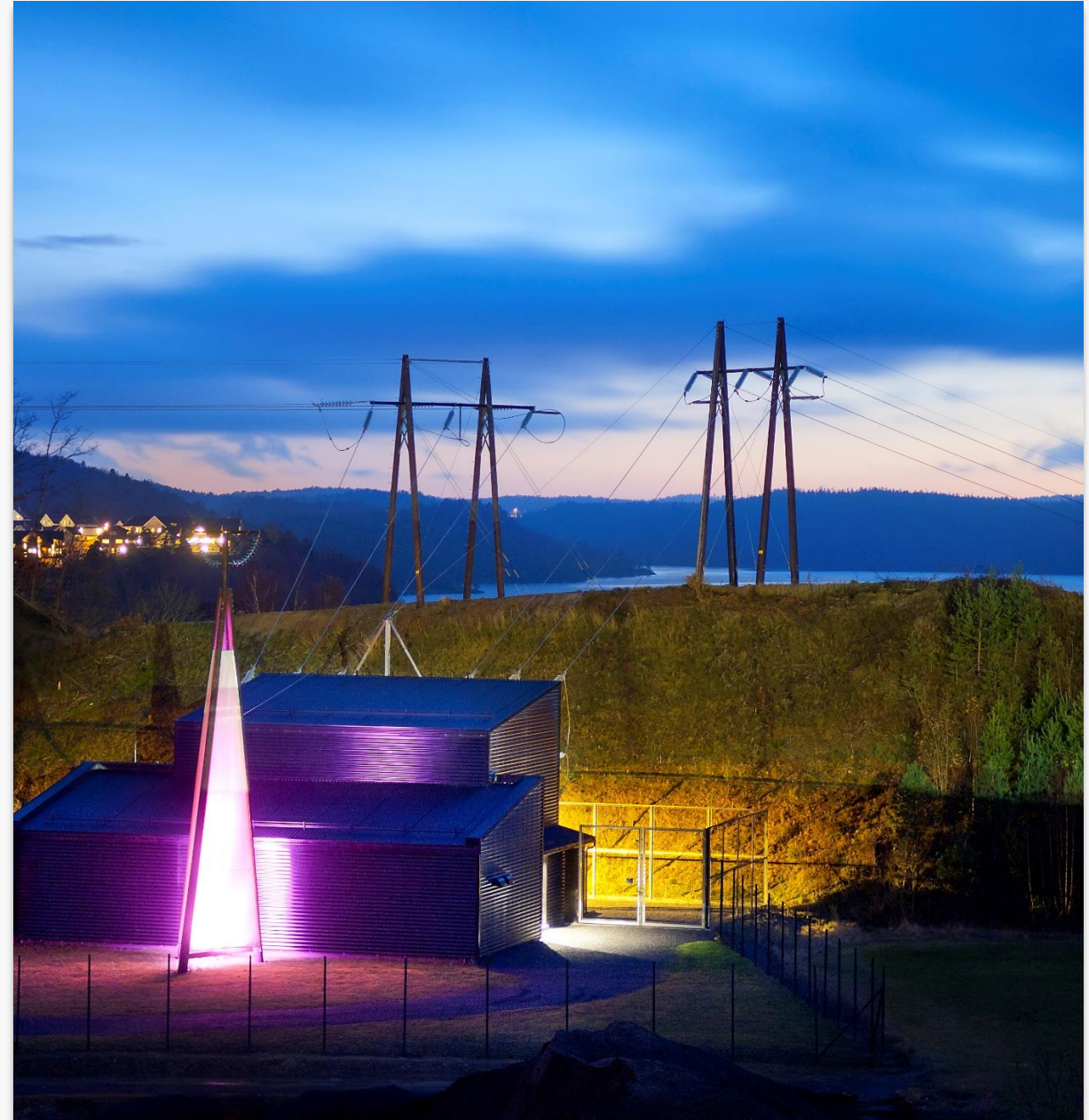


Value of flexibility from DSO perspective

Geir Magne Abusdal

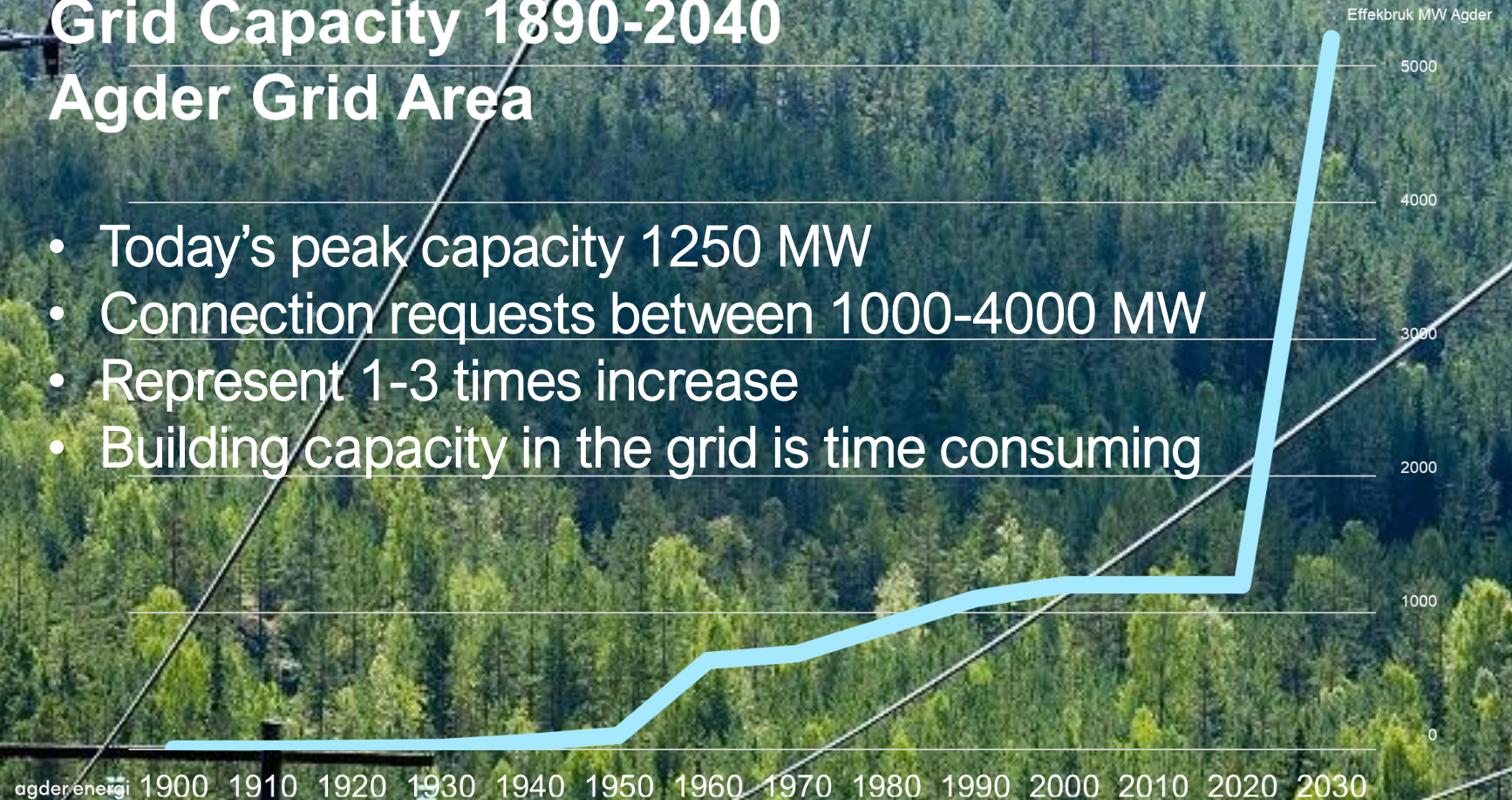
Technical Advisor



The DSO challenge!

Grid Capacity 1890-2040 Agder Grid Area

- Today's peak capacity 1250 MW
- Connection requests between 1000-4000 MW
- Represent 1-3 times increase
- Building capacity in the grid is time consuming



Mechanisms for the DSOs



Reconfigure
the grid

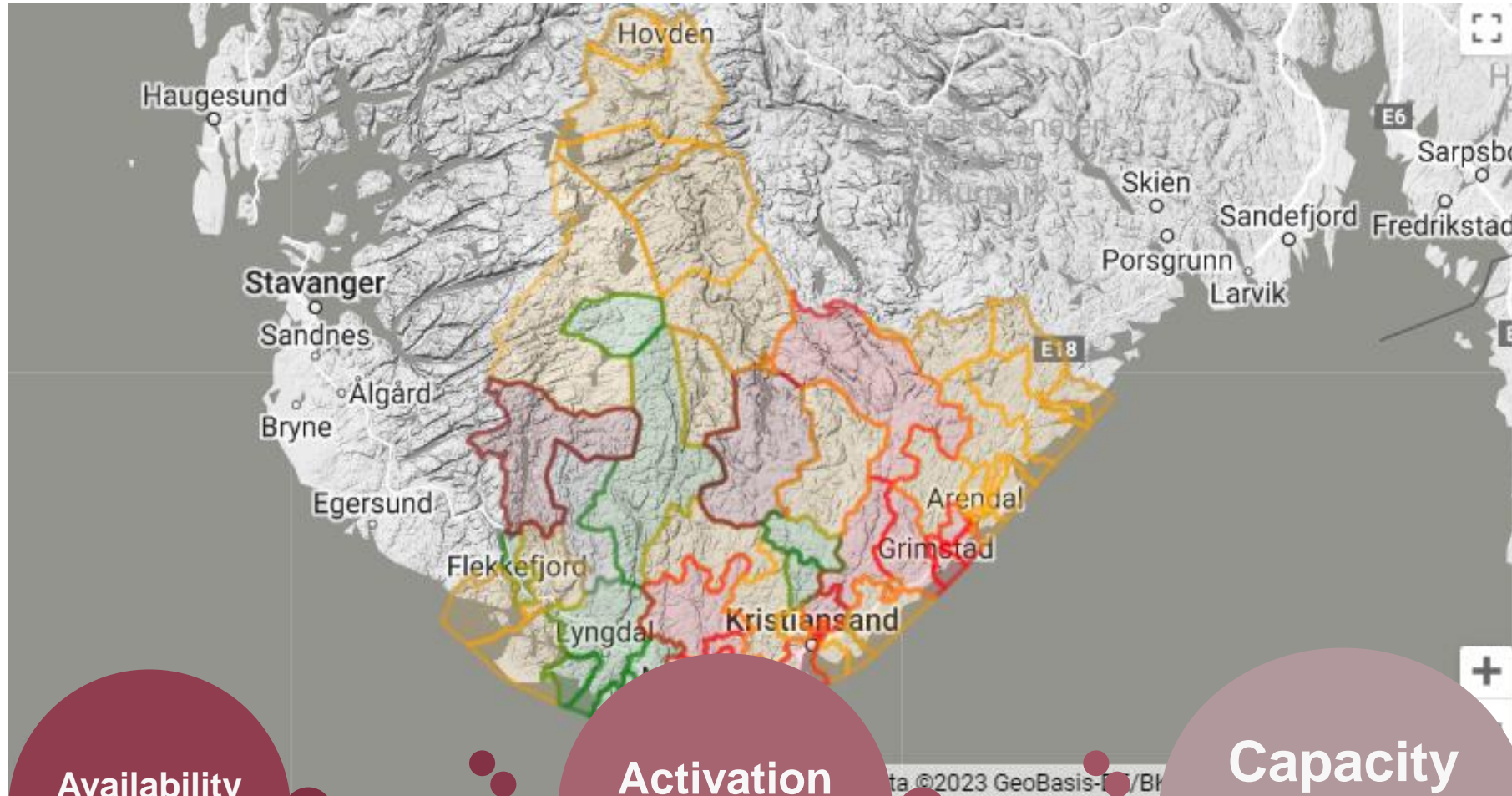


Tariffs & bilateral
agreements



Flexibility
markets

Utilising the local flexibility market!



Availability
(LongFlex)

Activation
(ShortFlex)

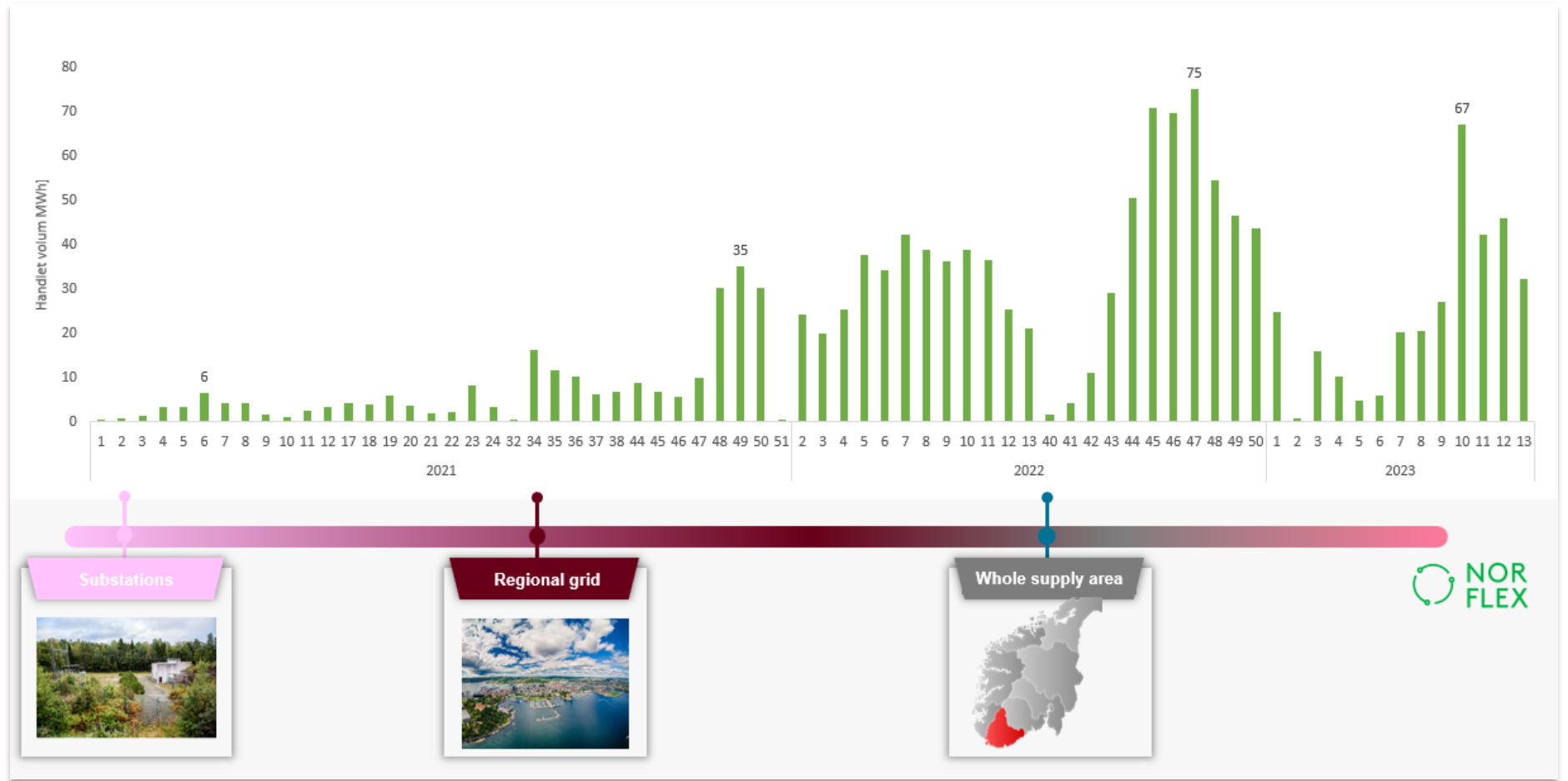
Capacity
(Congestion management)

Making the flexibility market fly!

4476
assets

1.394
GWh

31470
trades



What does it take for the DSO?



Tools

Digital twin
Forecast
Automation

TSO coordination



Market access to independent flexibility market like **NODES**

→ With volume, location and price



Liquidity

Volume

Price signals
Value stacking

Thank you!

Å Energi is Norway's biggest energy utility, with operations throughout the value chain, from generation through to end users