



Danish Energy Day 2024

Maria Broe, Senior Engineer, Energinet

1.4 GW Viking Link to launch at

Transinet said on Friday.

Denmark and the UK will launch later this more with a reduced capacity of 800 MW, Danish Torginet said on Friday

Den danske udvikler har ikke i sinde at opgive nogen af sine arte VE-projekter trods stadig mere langvarig udsigt for

Electricity grids: The backbone and bottleneck for the green

Running the , were of the Danish grid, ou

European Power

bridlock: Why Europe's electricity nfrastructure is holding back the green

ransition Europe urgently needs to expand and modernise its outdated electricit elnettet, siger andre, 13 16 the Earnesen Union is to achieve its renewable energy goals

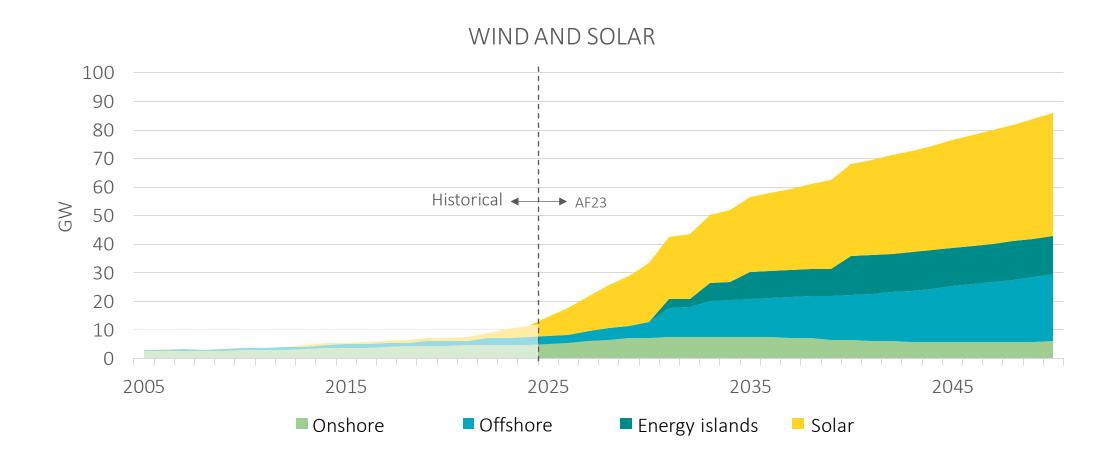
Udbygningen med solcelleparker er bremset. Forklaringen er der uenighed om

Blot én solcellepark er blevet tilkoblet elnettet siden 1. januar. Det skyldes øgede omkostninger, siger ét energiselskab. Nej, forklaringen er manglende tilladelser og begrænset kapacitet i



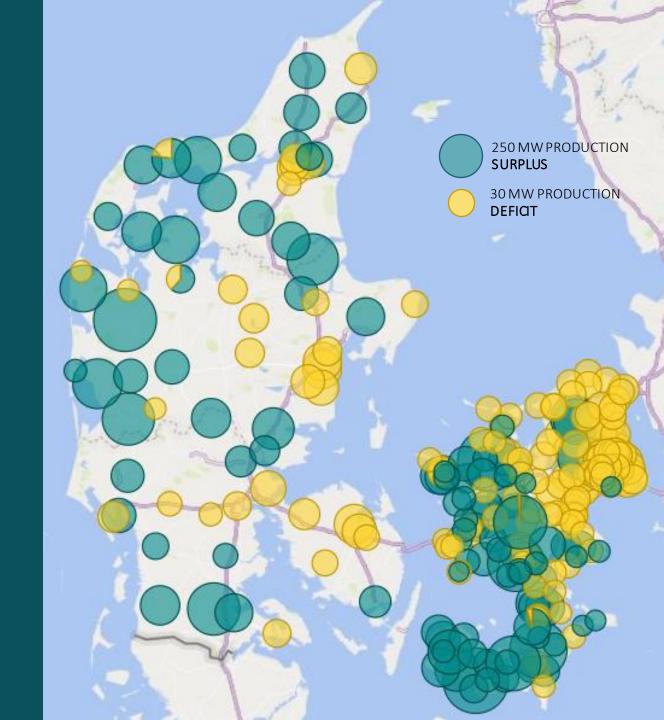


NEW GOALS – HIGHER PACE



MAIN DRIVERS FOR GRID REINFORCEMENTS

Geography



MAIN DRIVERS FOR GRID REINFORCEMENTS

Geography

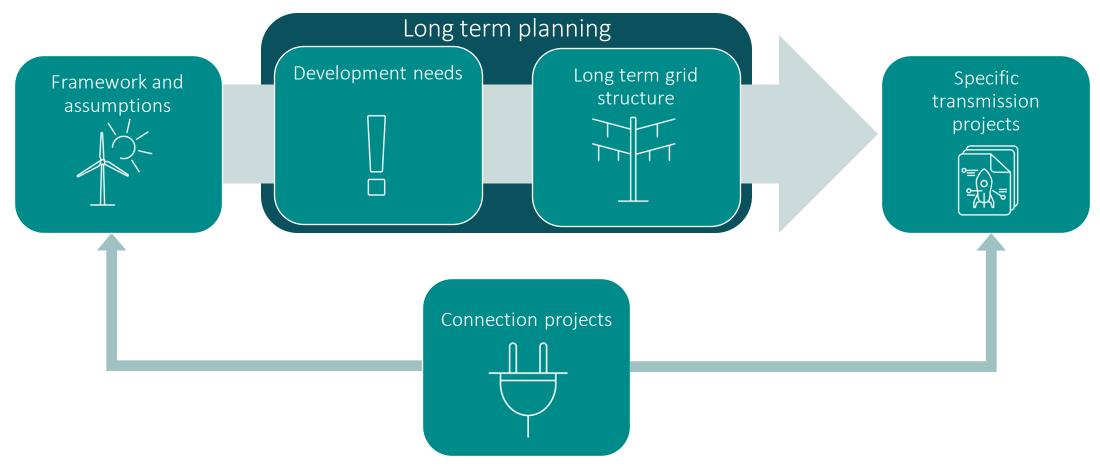
> Simultaneity

SOLAR AND WIND HOURLY SURPLUS OUTCOME SPACE





PLANNING OF THE TRANSMISSION GRID



Danish Energy Days 13.03.2024

GRID DEVELOPMENT NEEDS



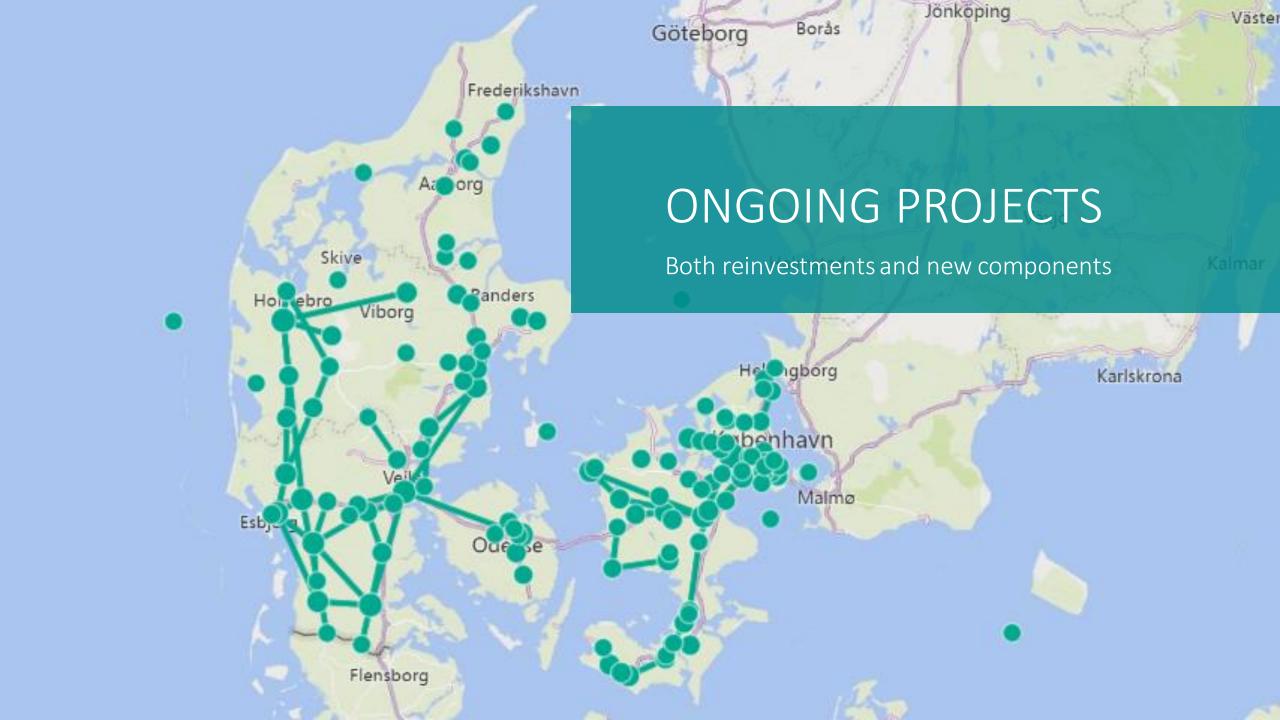




Legend [MWh]

- **<**500
- **500-5.000**
- **5.000-20.000**

- **2**0.000-100.000
- **>**100.000



LONG TERM GRID EXPANSIONS

- Currently low excess grid capacity
- Wind and solar drives most reinforcements
- Visible infrastructure





THE AMBITIOUS MARKET DRIVEN DEVELOPMENT CHALLENGES LONG TERM PLANNING

RAPID DEVELOPMENT

AMBITIOUS CLIMATE COALS



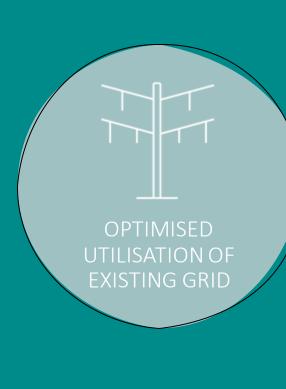
UNCERTAIN DEVELOPMENT

MARKET DRIVEN

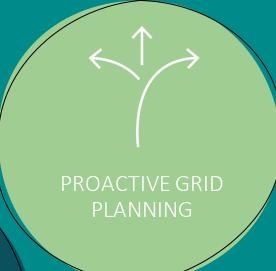


Danish Energy Days 13.03.2024

HOW DO WE ENSURE THAT THE GRID IS FIT FOR THE GREEN TRANSITION?











QUESTIONS

