

# WOC 2 meeting in Copenhagen

15. – 17. September 2014.



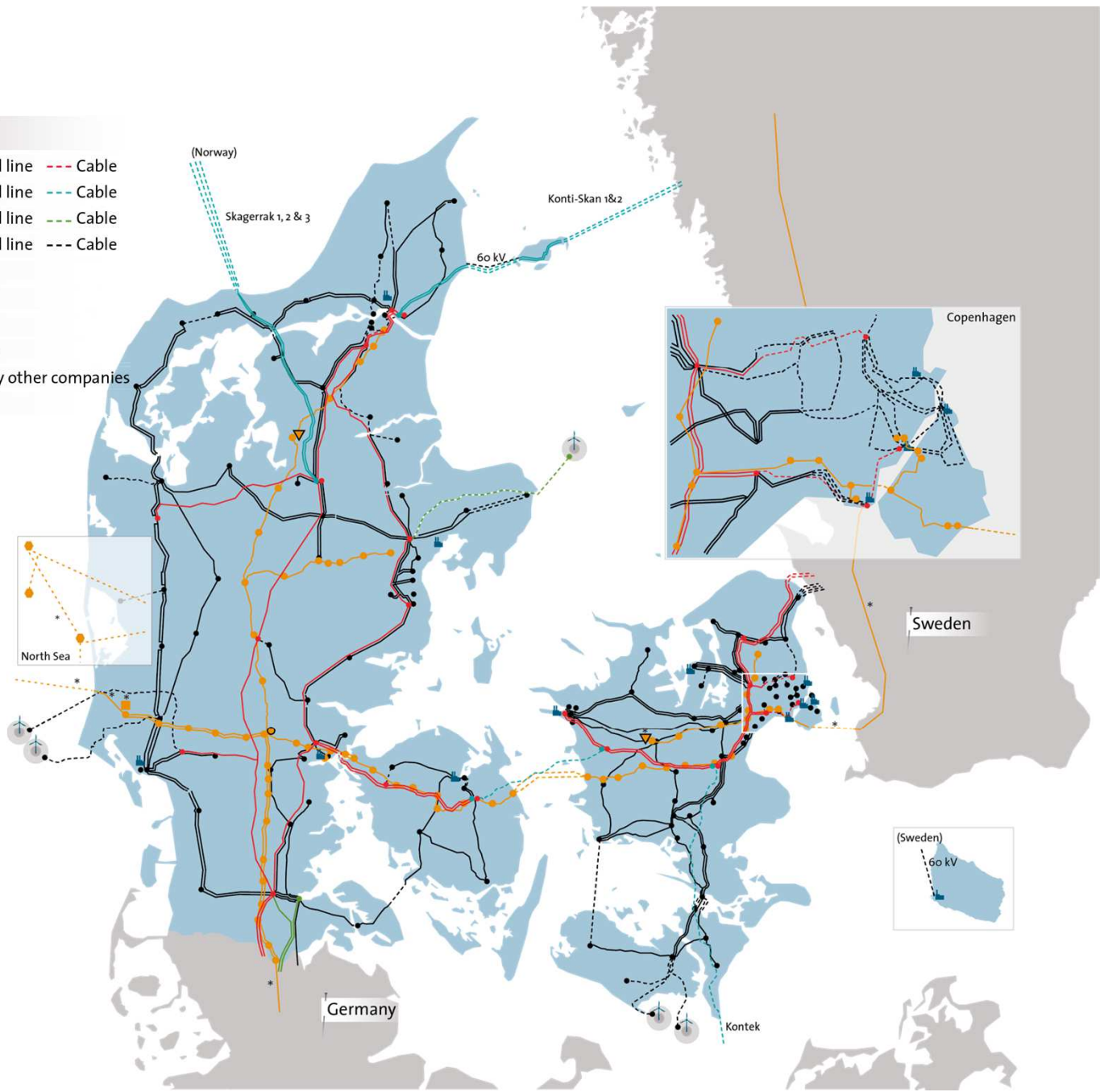
## **WOC 2 meeting in Copenhagen**

- Energinet.dk is a 100 % stat owned Company
- Energinet.dk is responsible for Power an Gas Grid in Denmark
- Energinet.dk is responsible for operation and maintenance
- Energinet.dk is responsible for development of the Power and Gas Grid
- The main office is placed in Erritsø
- 750 People are employed



**POWER** **GAS** The energy system

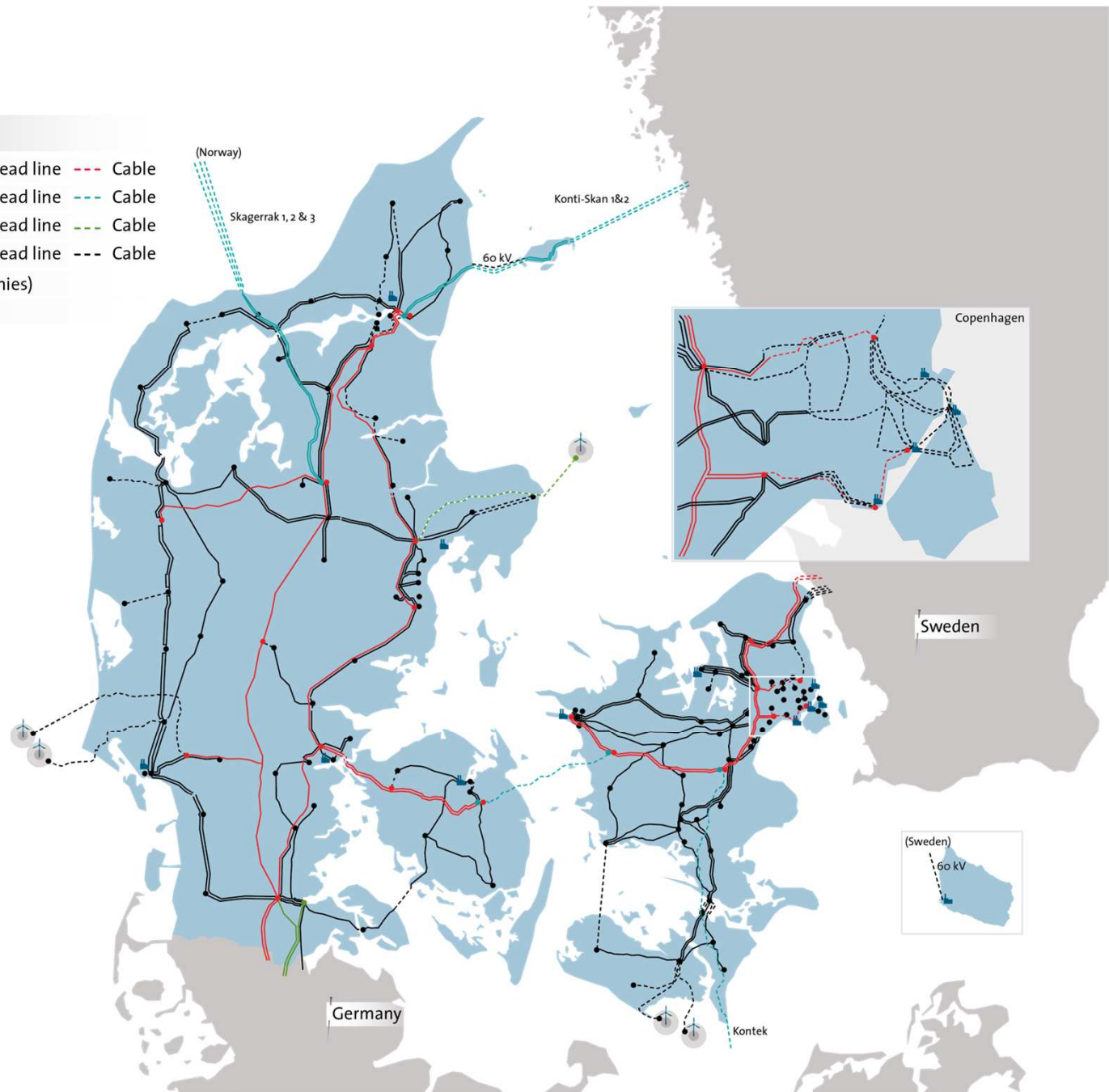
- |   |                                      |                       |             |
|---|--------------------------------------|-----------------------|-------------|
| 400 kV AC                                     | ● Substation                         | — Overhead line       | - - - Cable |
| 400 kV DC                                     | ● Converter station                  | — Overhead line       | - - - Cable |
| 220 kV AC                                     | ● Substation                         | — Overhead line       | - - - Cable |
| 132/150 kV AC                                 | ● Substation                         | — Overhead line       | - - - Cable |
| ⊙ Offshore wind farm (owned by other company) |                                      |                       |             |
| ⊙ Power station (owned by other company)      |                                      |                       |             |
| ● Station                                     | — Pipeline                           | - - - Subsea pipeline |             |
| ▽ Gas storage facility                        | ● Compressor station                 |                       |             |
| ■ Gas processing plant                        | ● Platform* owned by other companies |                       |             |
- Last update: beginning of 2013



# POWER Transmission grid

400 kV AC	● Substation	— Overhead line	- - - Cable
400 kV DC	● Converter station	— Overhead line	- - - Cable
220 kV AC	● Substation	— Overhead line	- - - Cable
132/150 kV AC	● Substation	— Overhead line	- - - Cable
⊕ Offshore wind farm (owned by other companies)			

Last update: beginning of 2013



**POWER** 400 kV-nettet

400 kV AC	● Substation	— Overhead line	- - - Cable
400 kV DC	● Converter station	— Overhead line	- - - Cable

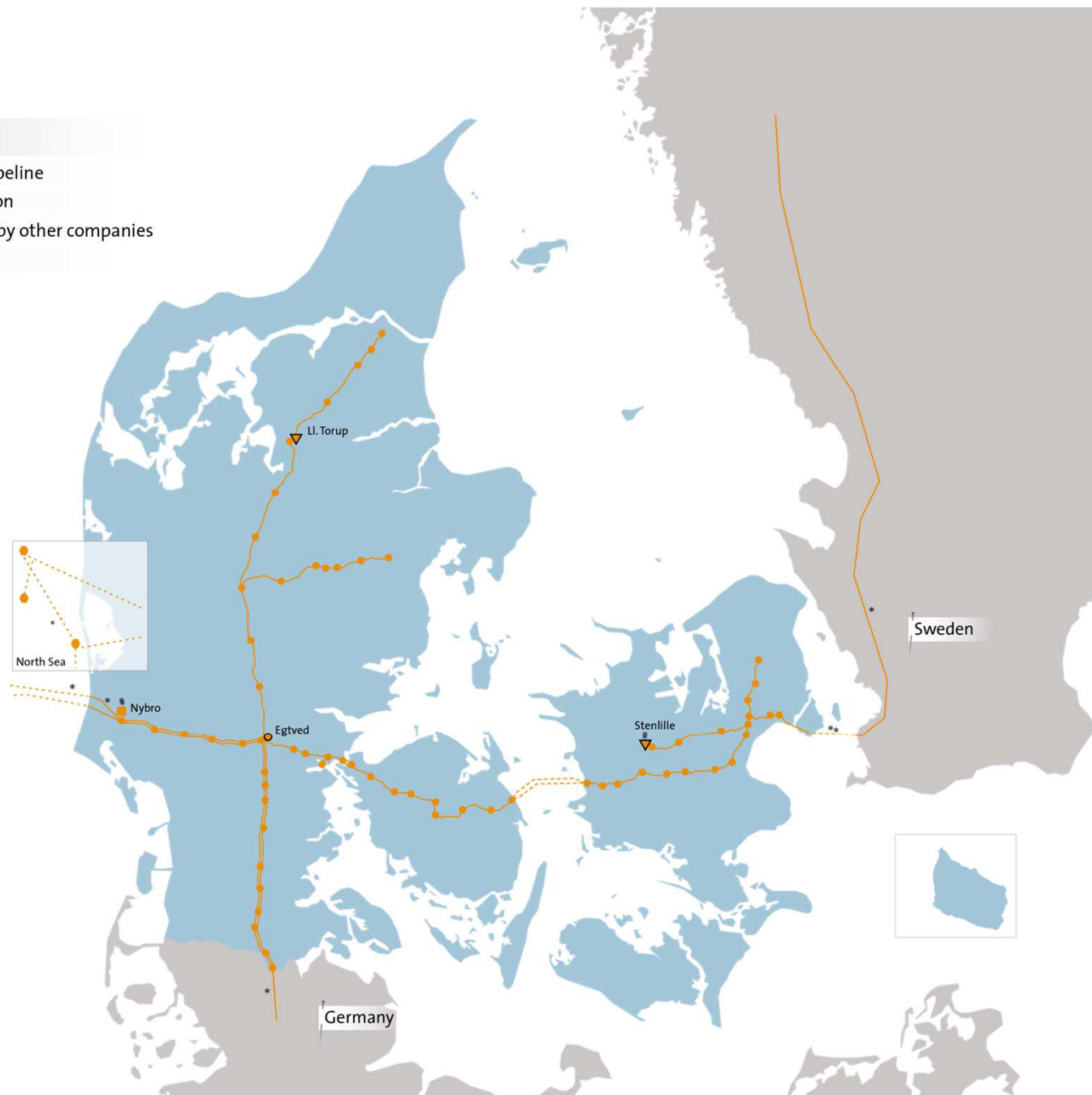
Last update: beginning of 2013



## GAS Transmission grid

- Station
- Pipeline
- - - Subsea pipeline
- ▼ Gas storage facility
- Compressor station
- Gas processing plant
- Platform \*owned by other companies

Last update: beginning of 2013



# GAS Transmission grid

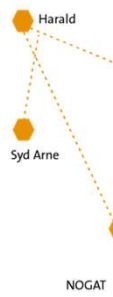
- Station    — Pipeline    - - - Subsea pipeline
  - ▼ Gas storage facility    ● Compressor station
  - Gas processing plant    ● Platform \*owned by other companies
- Last update: beginning of 2013



# GAS Transmission grid

- Station    — Pipeline    - - - Subsea pipeline
- ▼ Gas storage facility    ● Compressor station
- Gas processing plant    ● Platform \*owned by other companies

Last update: beginning of 2013





**POWER** **GAS** Ongoing construction projects

— Ongoing electricity projects

— Ongoing gas projects

Last update: beginning of 2013



## POWER International connections

400 kV AC — Overhead line - - - Cable

400 kV DC — Overhead line - - - Cable

220 kV AC — Overhead line - - - Cable

132/150 kV AC — Overhead line - - - Cable

— Ongoing projects

↔ Development projects

Last update: beginning of 2013



**POWER** Near-shore wind turbines

☰ Near-shore wind turbines

Last update: beginning of 2013



## Gaslageret – set fra oven en sommerdag

