

# PROJECT GREENSAND

Carbon, Capture & Storage (CCS) in practice

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# Blue Water Shipping

Global transport, shipping and freight forwarding company



Founded in DK  
**1972**



Turnover 2021  
**905m EUR**



Offices  
**70+**

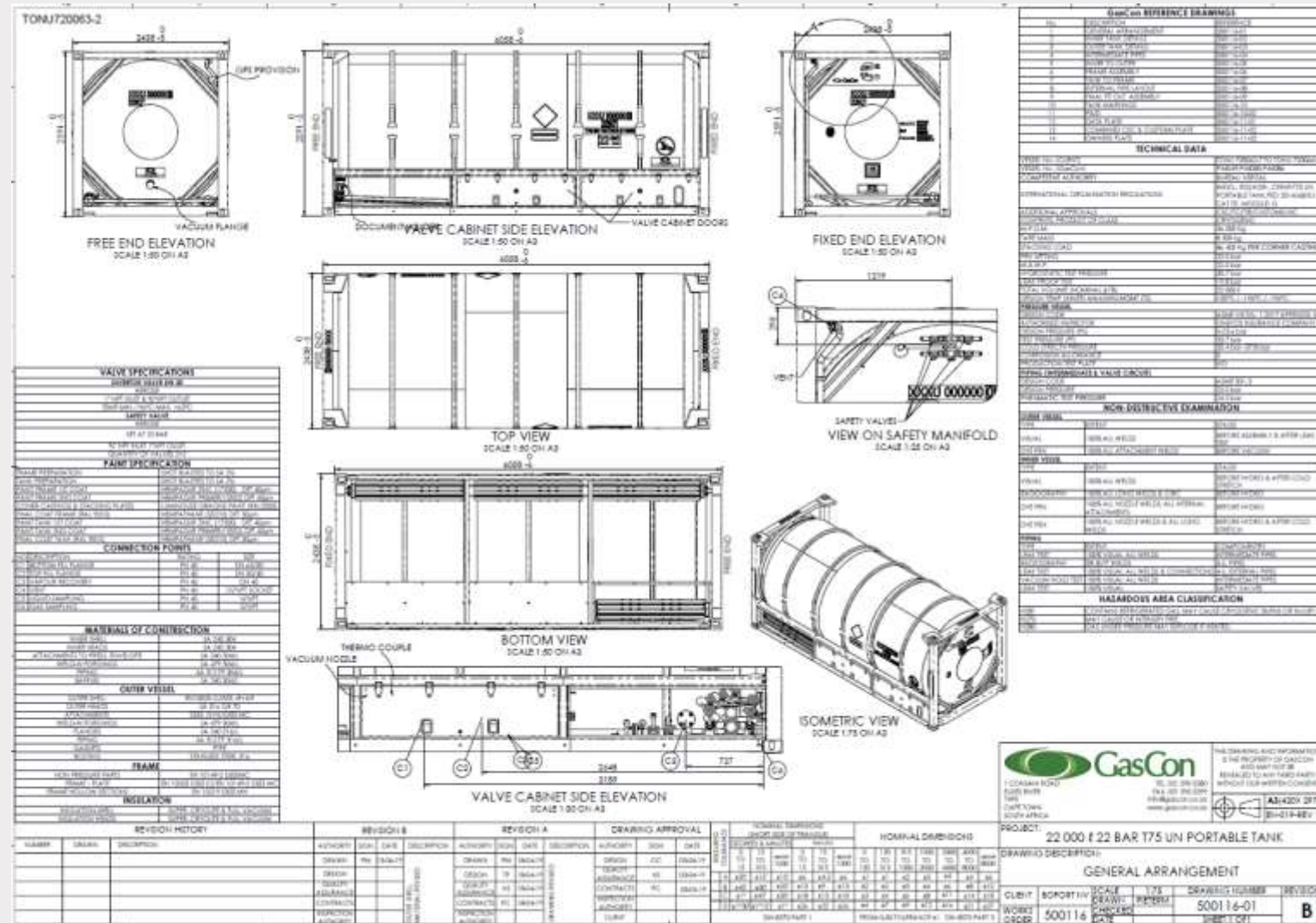


Employees  
**2,000+**

# Greensand

- › Pilot project for demonstrating storage of Co2 and funded by the Energy Technology Development and Demonstration Program - EUDP
- › Quantity : up to 15,000 ts liquified Co2
- › Grade : food/consumable
- › Co2 state : -30° at 15 bars pressure
- › Mode of transportation - and offshore interfaces :
  - 80 x 20' cryoghanic ISO tank containers
  - 1 x platform supply vessel (converted)
  - 1 x jack-up drilling rig (interface)
  - 1 x stationary offshore installation





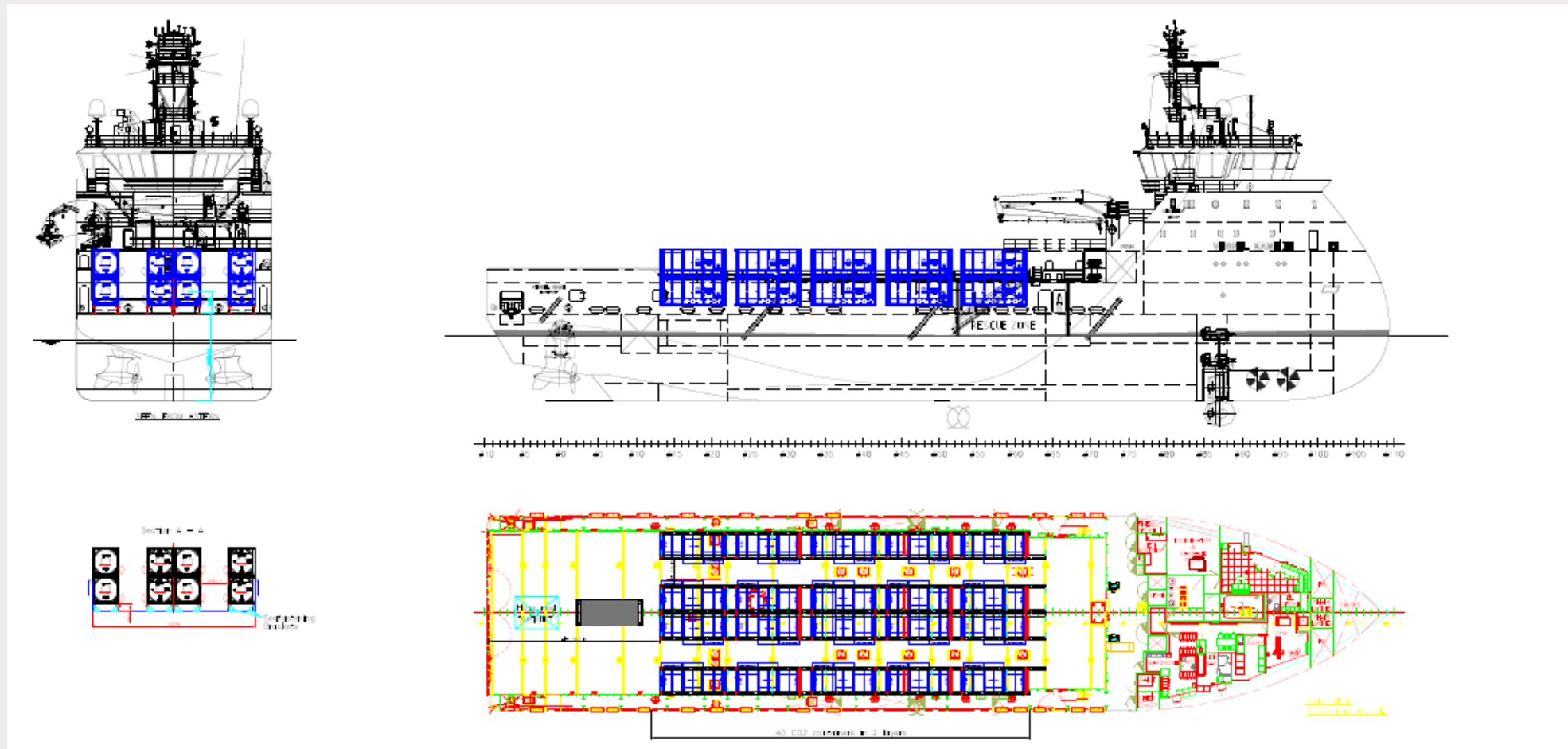
# Platform Supply Vessel (PSV)

- › “Aurora Storm” / Year built : 2015 / Flag : Norwegian (NIS) / Owner : Aurora Offshore
- › Delivery window : Esbjerg November 20-24.11.22 / duration 120 x days minimum



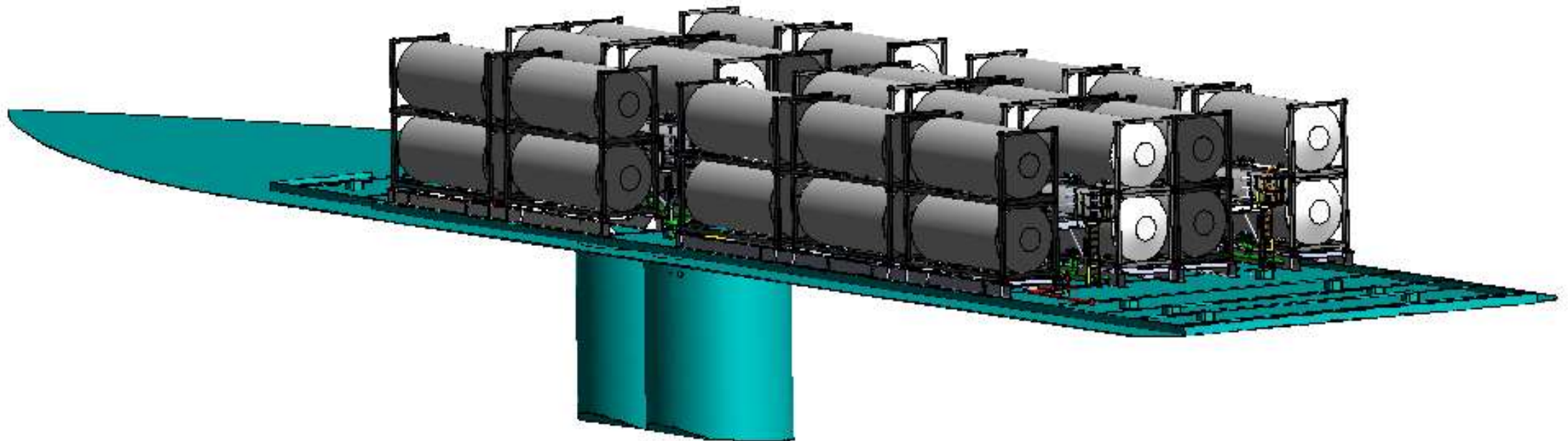
# PSV initial storage proposal

- › Incl. access arrangements / 40 x ISO tanks / voyage



# PSV final stowage proposal

- › Incl. access arrangements / 40 x ISO tanks / voyage



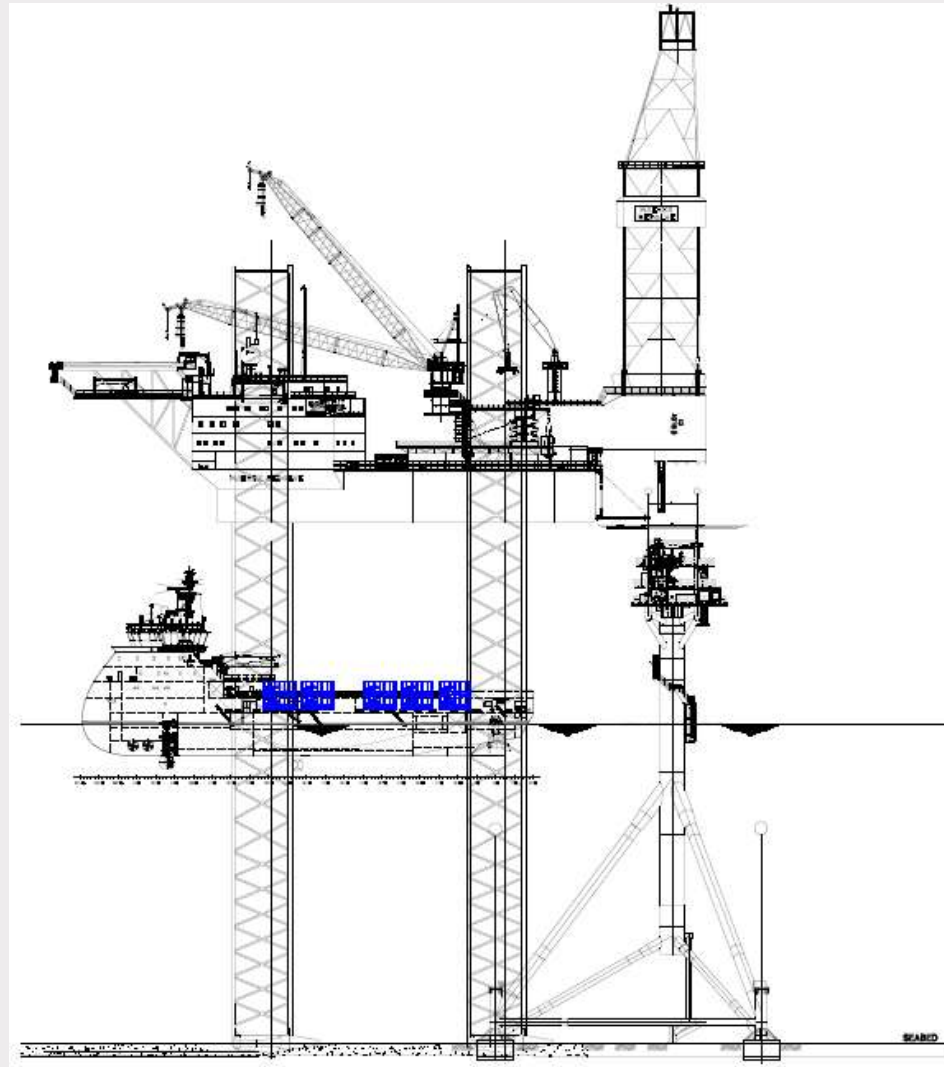


# Offshore interface – side view

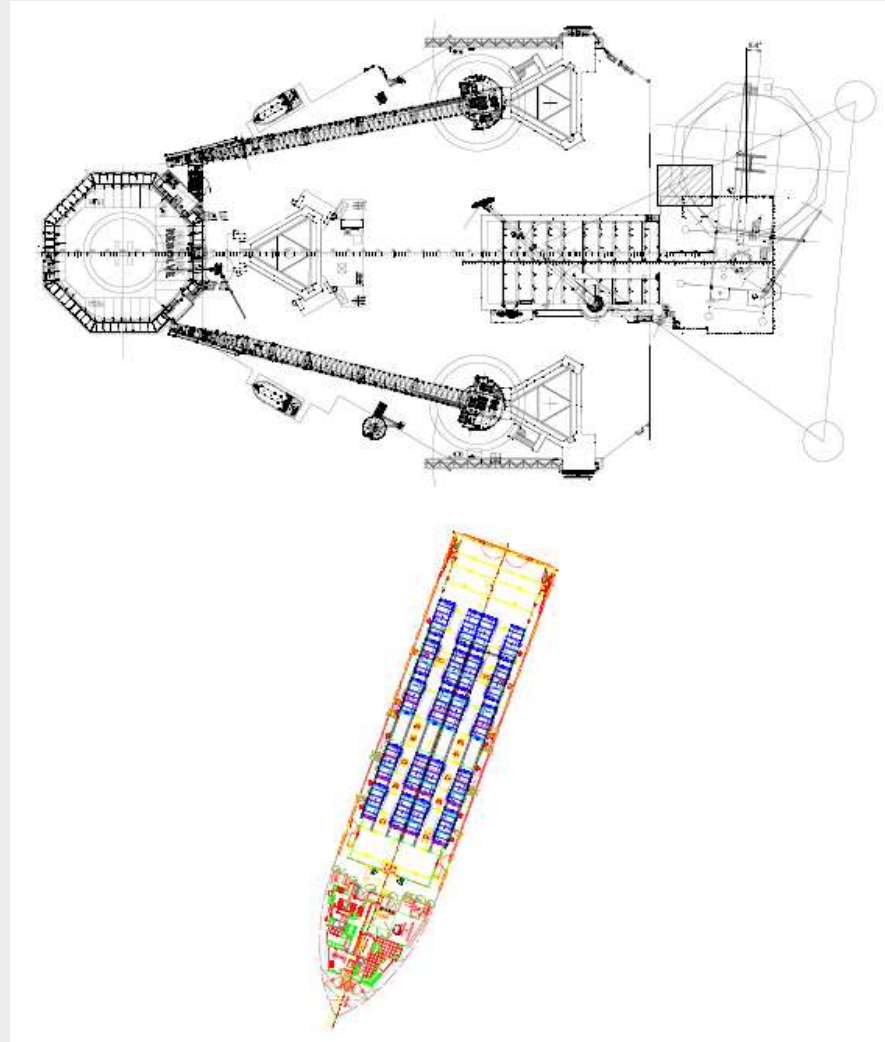




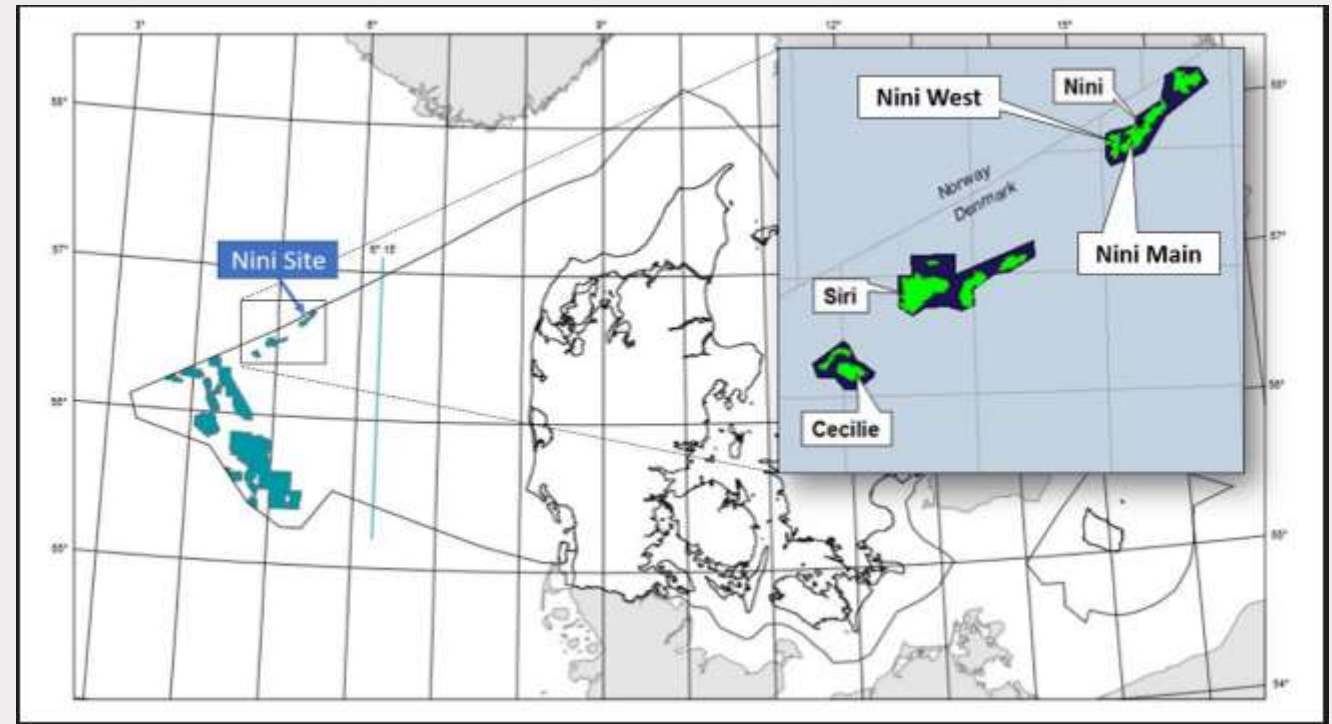
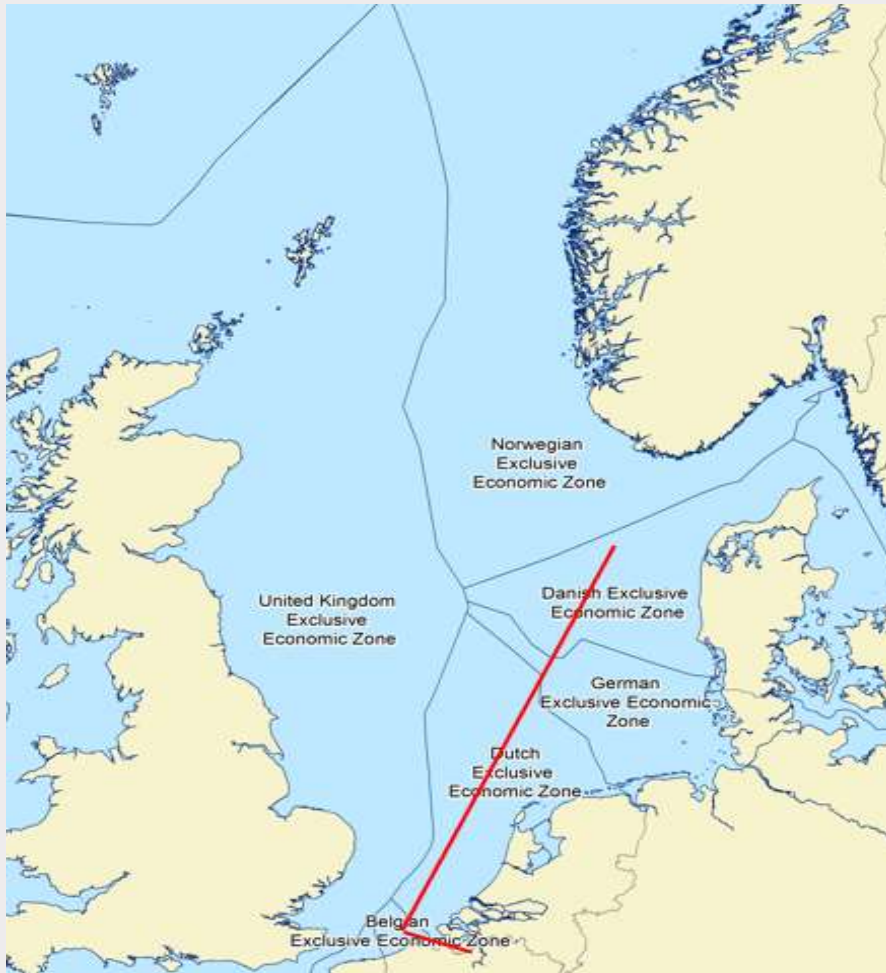
# Offshore interface – side view



# Offshore interface – top view



# Sea passage + Nini West location



# Contracts

› Greensand consortium	:	1 x consortium agreement
› Containers	:	1 x commercial agreement
› H2S equipment	:	1 x commercial agreement
› Steel purchase + grillage fab.	:	1 x commercial agreement
› Antwerp port ops + stevedoring	:	1 x commercial agreement
› PSV charter	:	1 x BIMCO Supplytime 2017 suitable amended Significant amendment = cl. 4 / Structural Alterations and Additional Equipment



Please feel free to ask questions

