



# **PORT OF ZEEBRUGGE – BELGIUM**

## **BUSAN BIPC 2018**

**Vincent De Saedeleer**  
**Hon. Vice President**

» Location and activities

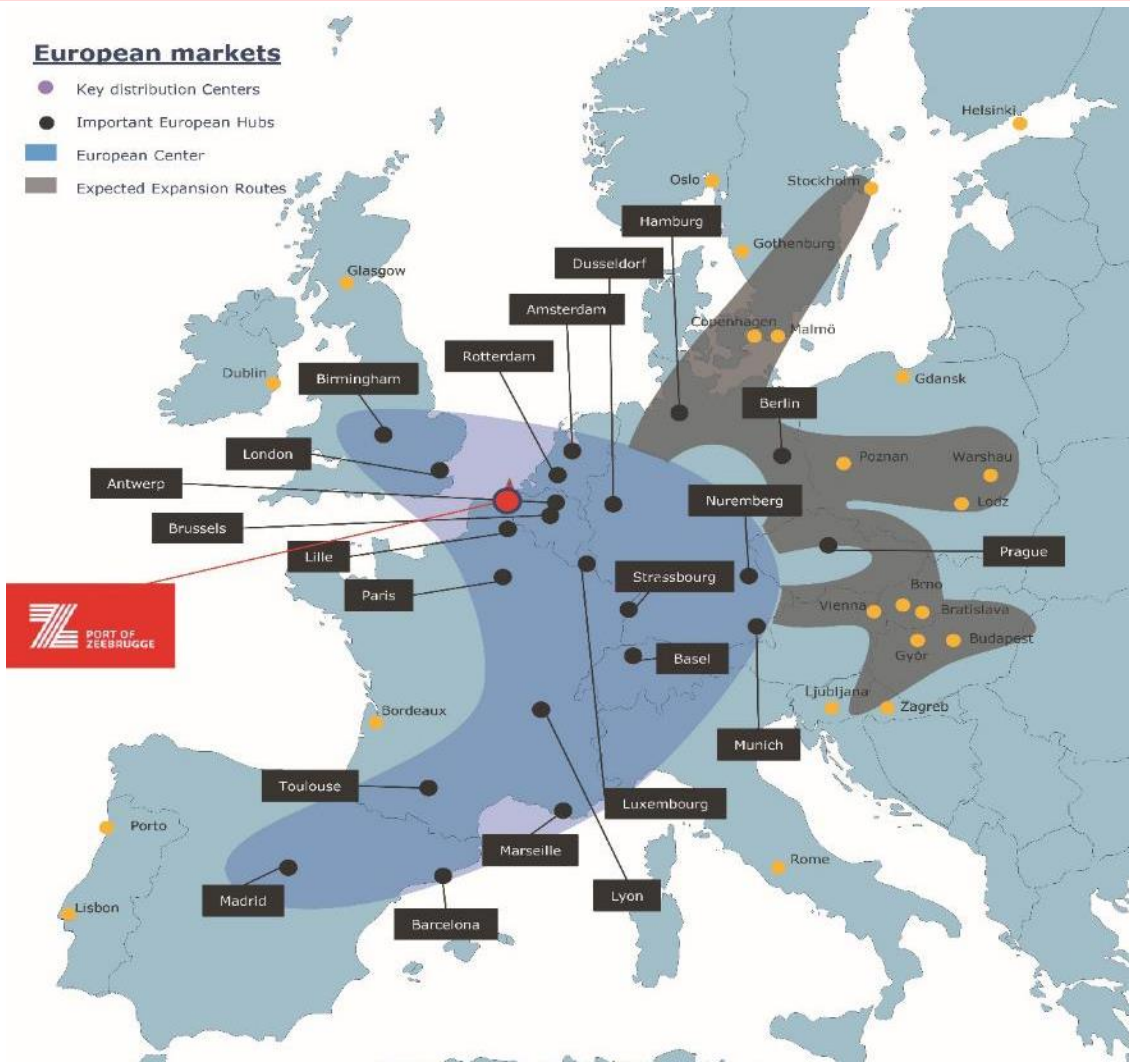
» The energy sector LNG

» Latest evolutions

» Strategy and investments

» Share the experience

# Zeebrugge: a port with a great location



**Range Le Havre - Hamburg**

**Easy access coastal port**

**Unique position vs. UK**

**In the middle of the EU markets**

**Dense road and rail network**



**COASTAL PORT AS GATEWAY FOR THE EUROPEAN MARKETS**

# Key figures 2017

**+/- 8.427 vessels  
handled**



**+/- 4.000  
trucks/day**



**>20.000 jobs  
in the port**



**1.5 million TEU  
handled**



**37.1 million tons  
handled**



**nr 1 automotive  
port – 2.8 mio  
new cars**

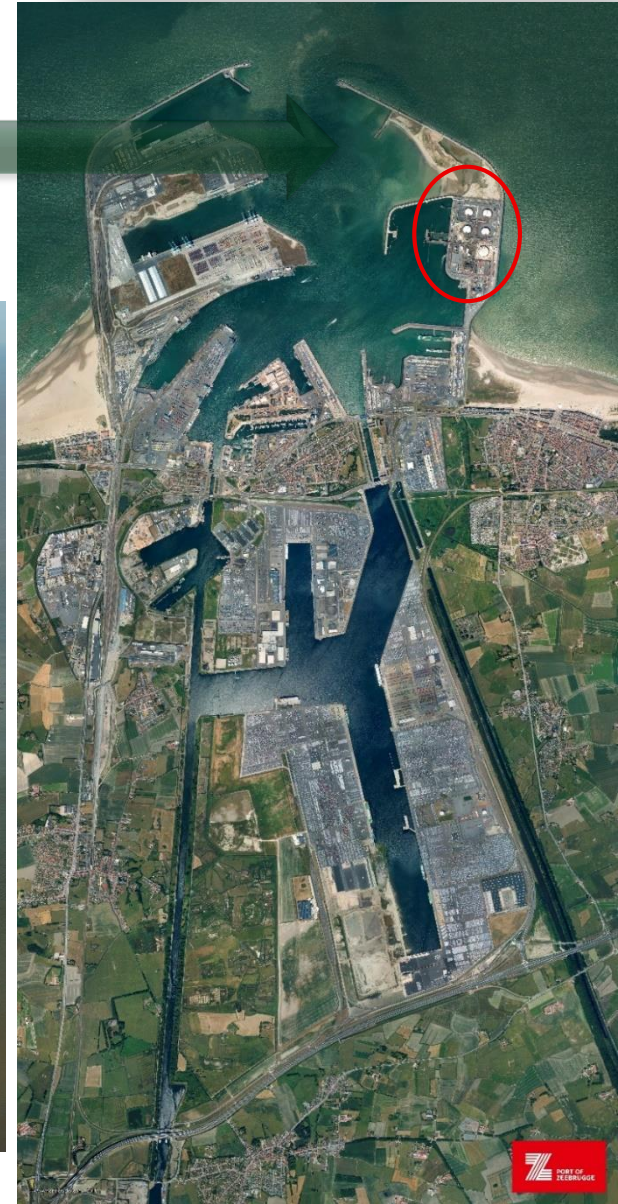


 The energy sector LNG



# Fluxys LNG terminal since 1987

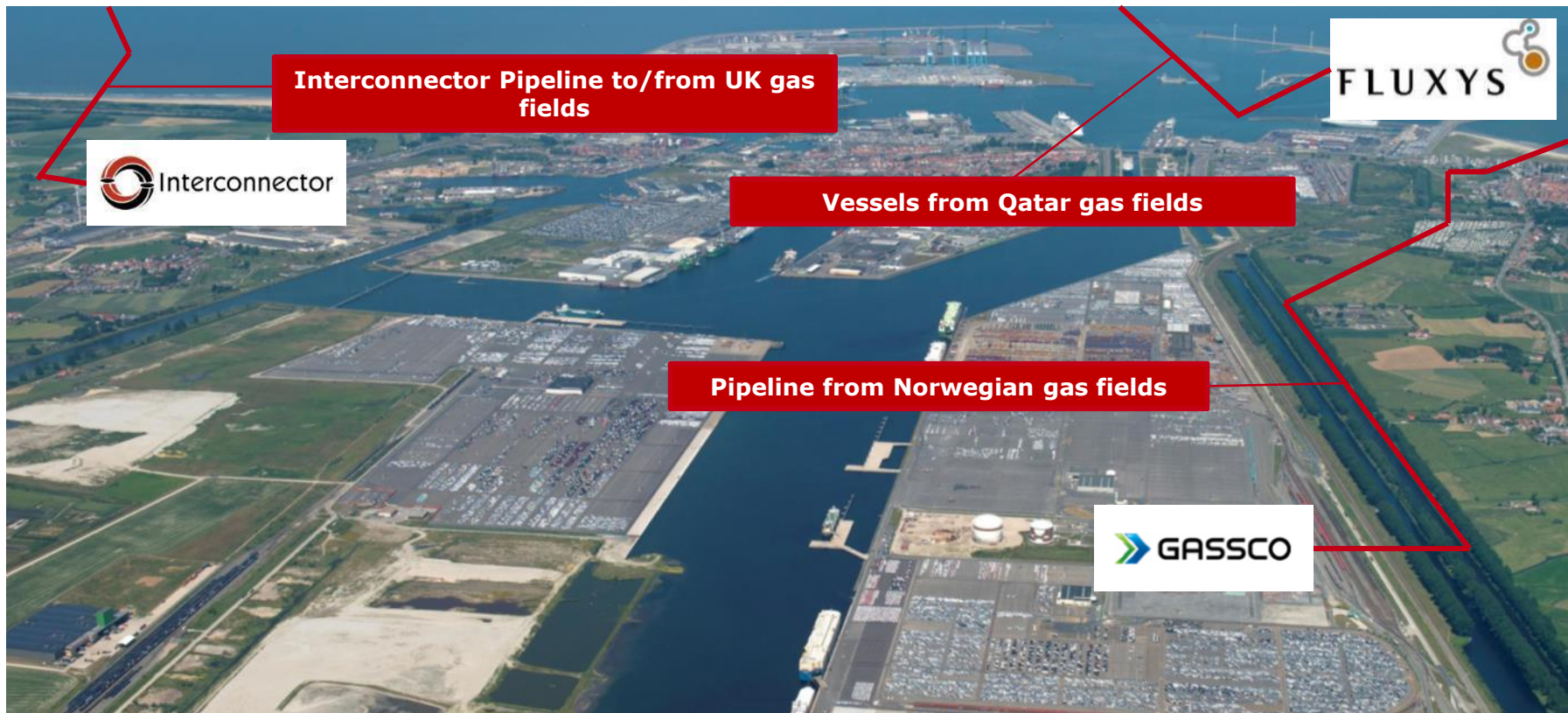
Situated on the  
east side  
of the outer port



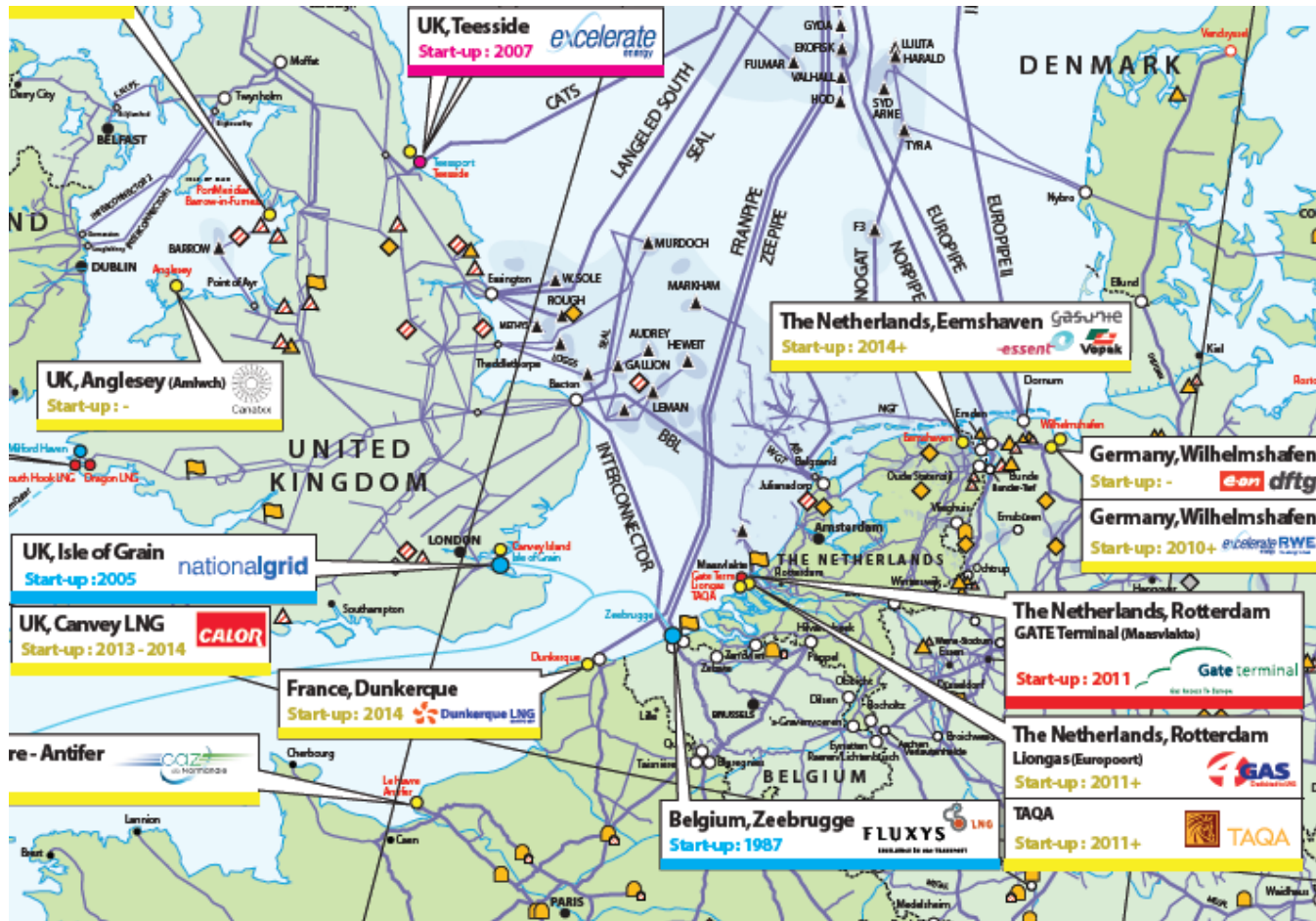


# LNG traffic (2 million tons)

**ANNUAL THROUGHPUT CAPACITY OF  
APPROX. 50 BCM/Y = 10%**  
(Natural gas consumption EU27 :  
~ 500 BCM/y)



# LNG Terminal Zeebrugge versus neighboring LNG Terminals



Extract from the LNG map of GLE ([www.gle.eu.com](http://www.gle.eu.com))





Latest evolutions

## Trigger : IMO MARPOL Annex VI

SECA zones:  
from 1/1/2015: 0,1 % S

Possibilities :

- Use of scrubber technologies
- Use of fuels with less Sulphur content (
- Use of LNG

Study Danish Maritime Authorities  
+ MBZ + Fluxys +  
Flemish Government + others



# New Fluxys contract: Yamal project

**8 million tons / year**

**Destination Asia**

**Specially built LNG  
icebreaker vessels**

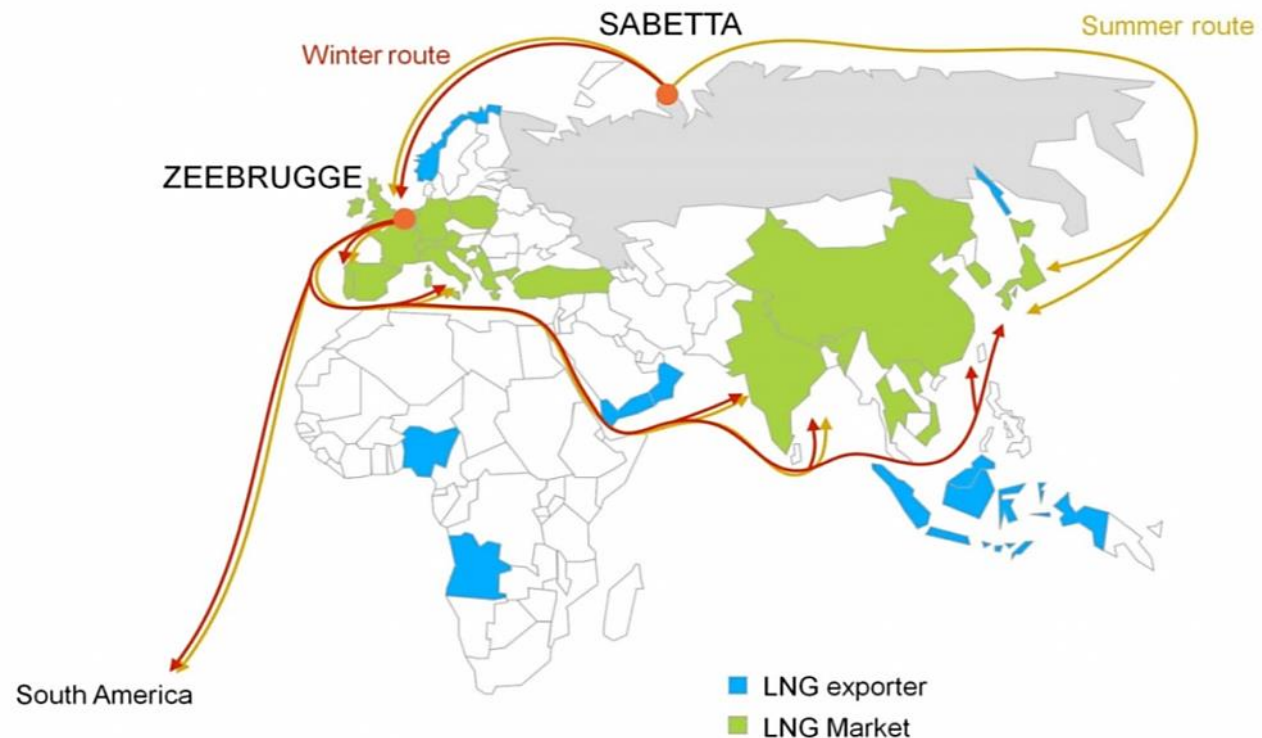
**Summer: Northern sea  
route**

**Winter: transshipment via  
Port of Zeebrugge**

**5th storage tank**

**Additional process  
installations**

**Pre-assembly of YAMAL  
platform in Port of  
Zeebrugge**







## Strategy and investments

# Investments in LNG infrastructure

**2nd Jetty for LNG-  
vessels with a capacity  
ranging from 2,000 to  
217,000 m<sup>3</sup>**

**5th storage tank of  
180,000 m<sup>3</sup> leading to a  
total of 560,000 m<sup>3</sup>**



# Developments: LNG Bunker Vessel

2 LNG-tanks: 2 x 2.500m<sup>3</sup>

LOA: 107,6 m

BOA: 18,4 m

Draft: 4,7 m







## Fluxys Truck Loading service

Capacity of 4,000 loadings/year  
Destination: The Netherlands, U.K.,  
Germany, Poland

- Industrial sites
- LNG refueling stations
- LNG als fuel for shipping



# Latest Development: LNG fueled UECC – Car Carriers

Operation Area: North Sea + Baltic Sea



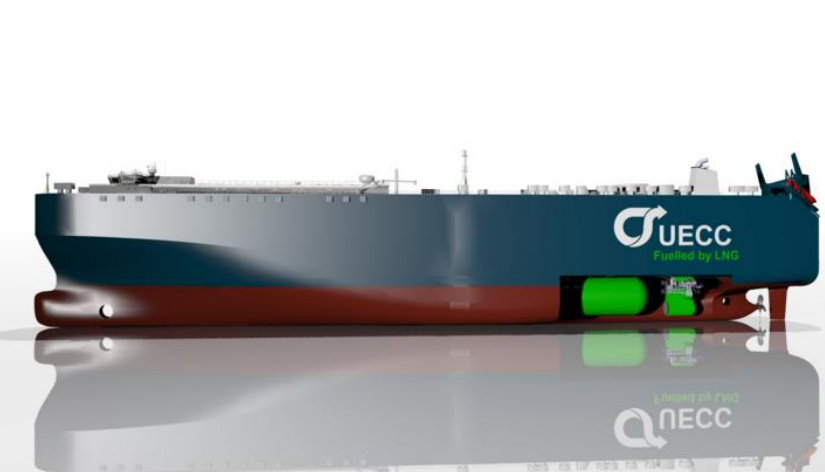
Capacity : 3800 cars (inc. 600 sqm for high&heavy)

LOA: 181m – BOA: 30 m– draft : 7.5m



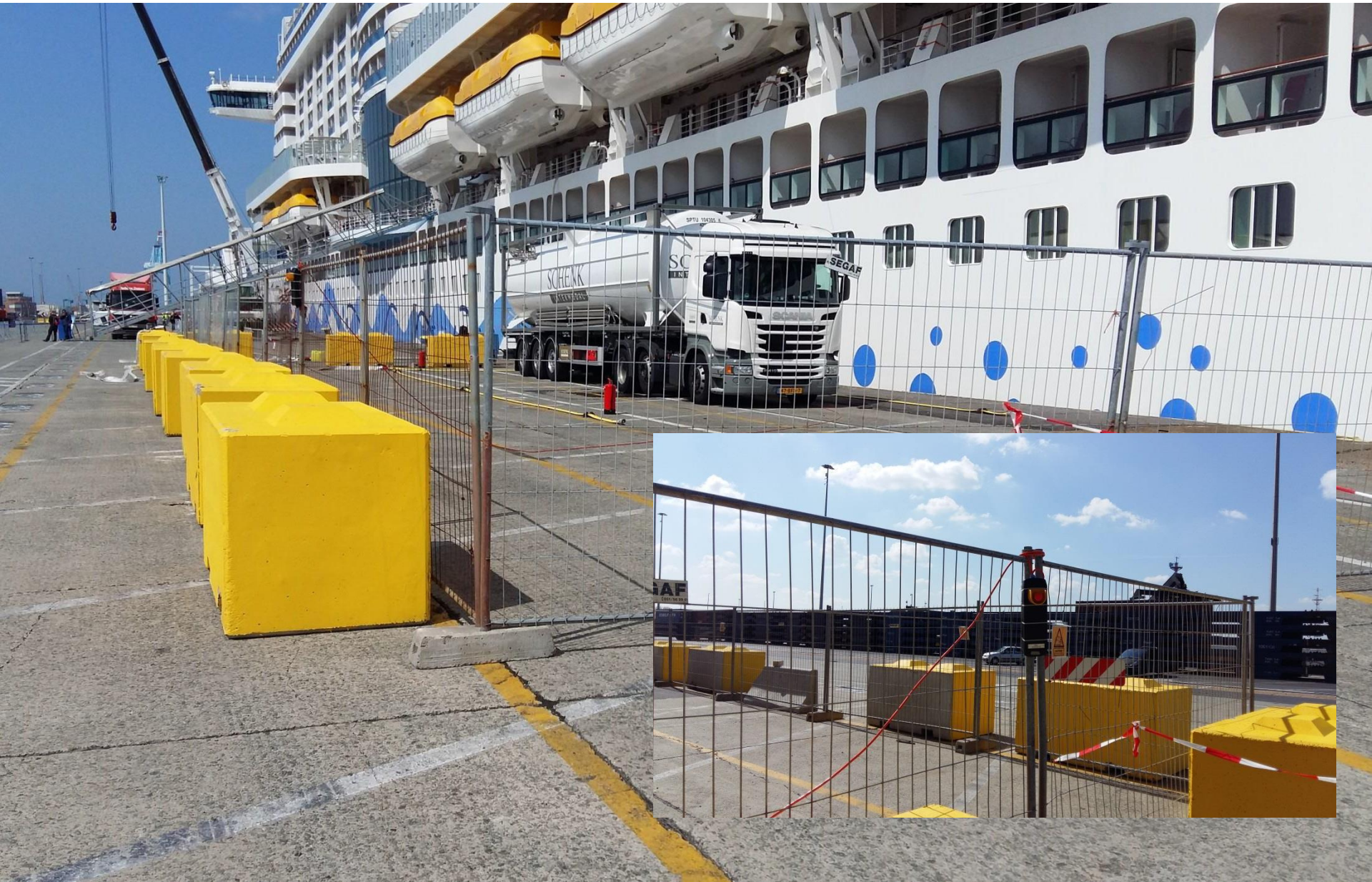
# Seagoing LNG bunker ship

Collaboration NYK – GDF Suez with facilitating role for PoZ

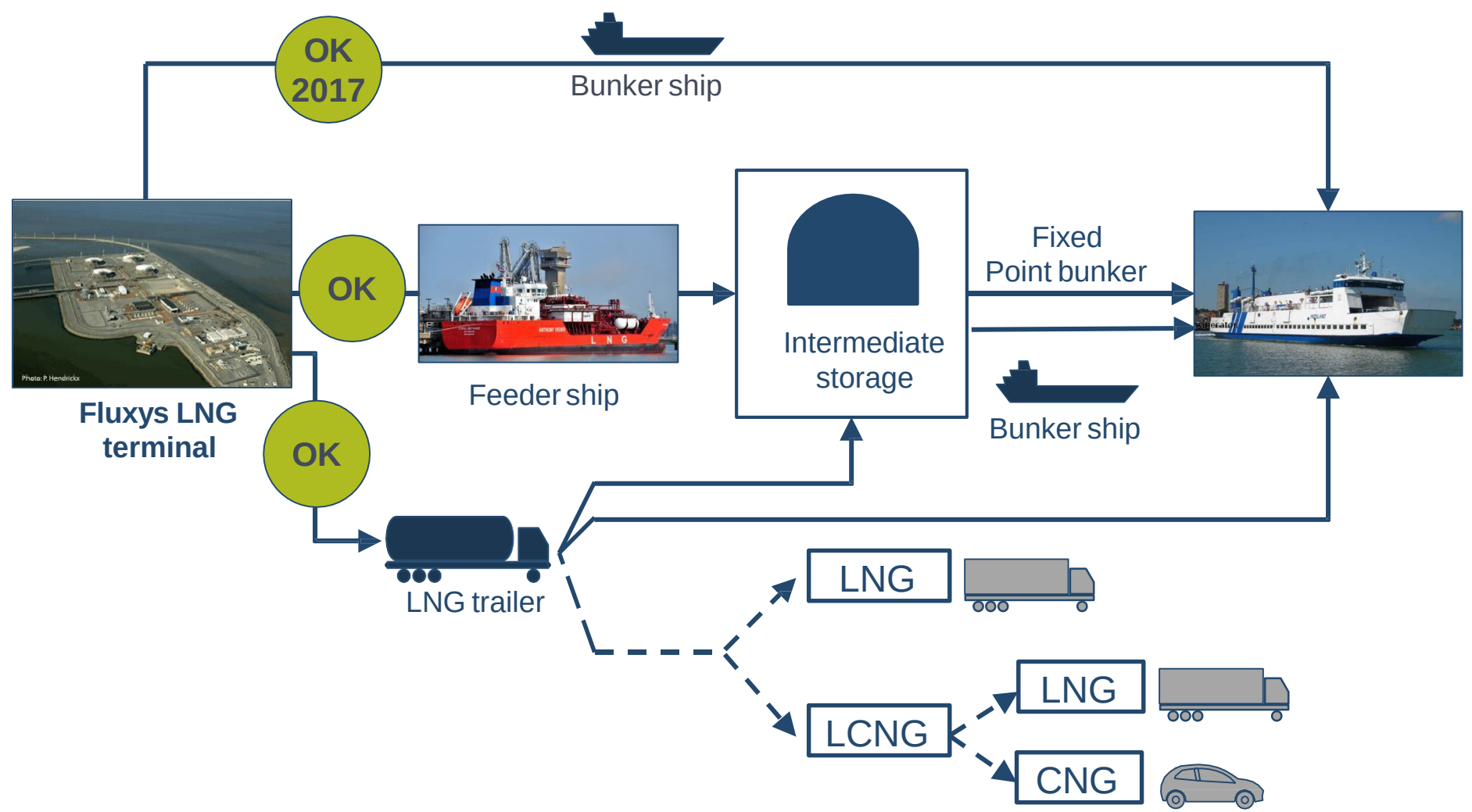




# Project AidaPrima: LNG-fueling



# ACTUAL STATUS OF LNG BUNKER CHAIN DEVELOPMENT



 Share the experience



# LNG- bunkering

## Truck-to-ship bunkering m/t Borgoy



## Dual fuel vessel tests Anthony Veder



## Collaboration PoZ – PoA - Singapore Promotion of LNG as ship fuel





THANK YOU