



Discover a proven way!



KLAIPEDA
PORT LNG Terminal: Gateway for
the Baltic Gas Market

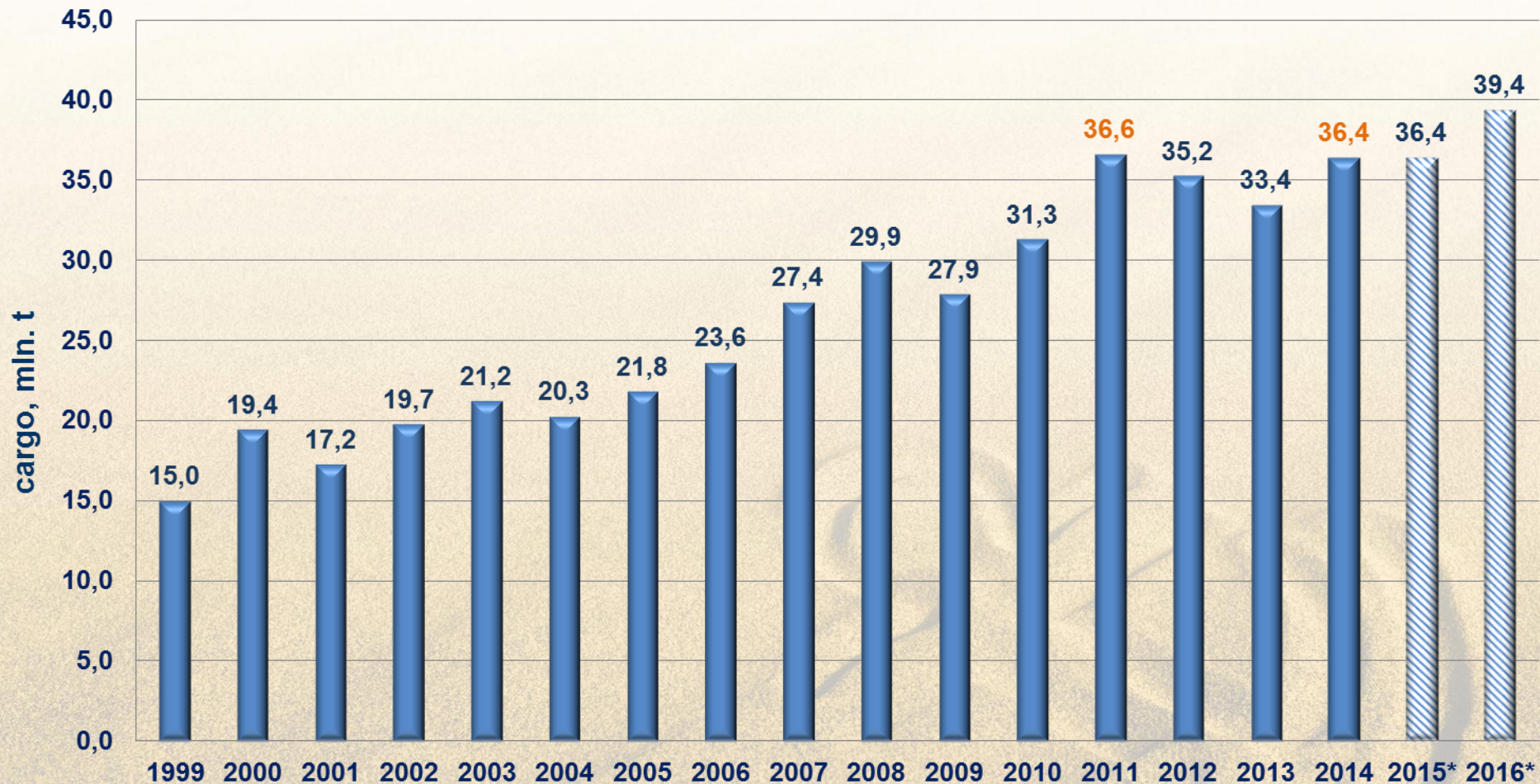
Arturas Drungilas

Marketing and Corporate Affairs Director

2015 05 21

www.portofklaipeda.lt

Annual cargo turnover in Klaipeda Port



**Average growth of annual cargo turnover is 6,6 %
(from 1999 to 2014)**

LNG Terminal: Gateway for the Baltic Gas Market



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Successful operations



Commercial operations

First commercial send-out from 1st of January 2015

Floating Storage and Regasification Unit (FSRU):

- Capacity – **170 000** m³
- Annual throughput capacity – **4 billion** m³
- Handling: from ship to FSRU – **9 000** m³/h LNG
- Handling: from FSRU to pipeline - **460 000** m³/h NG

Commissioning cargo

Delivered 28th of October 2014

First commercial cargo

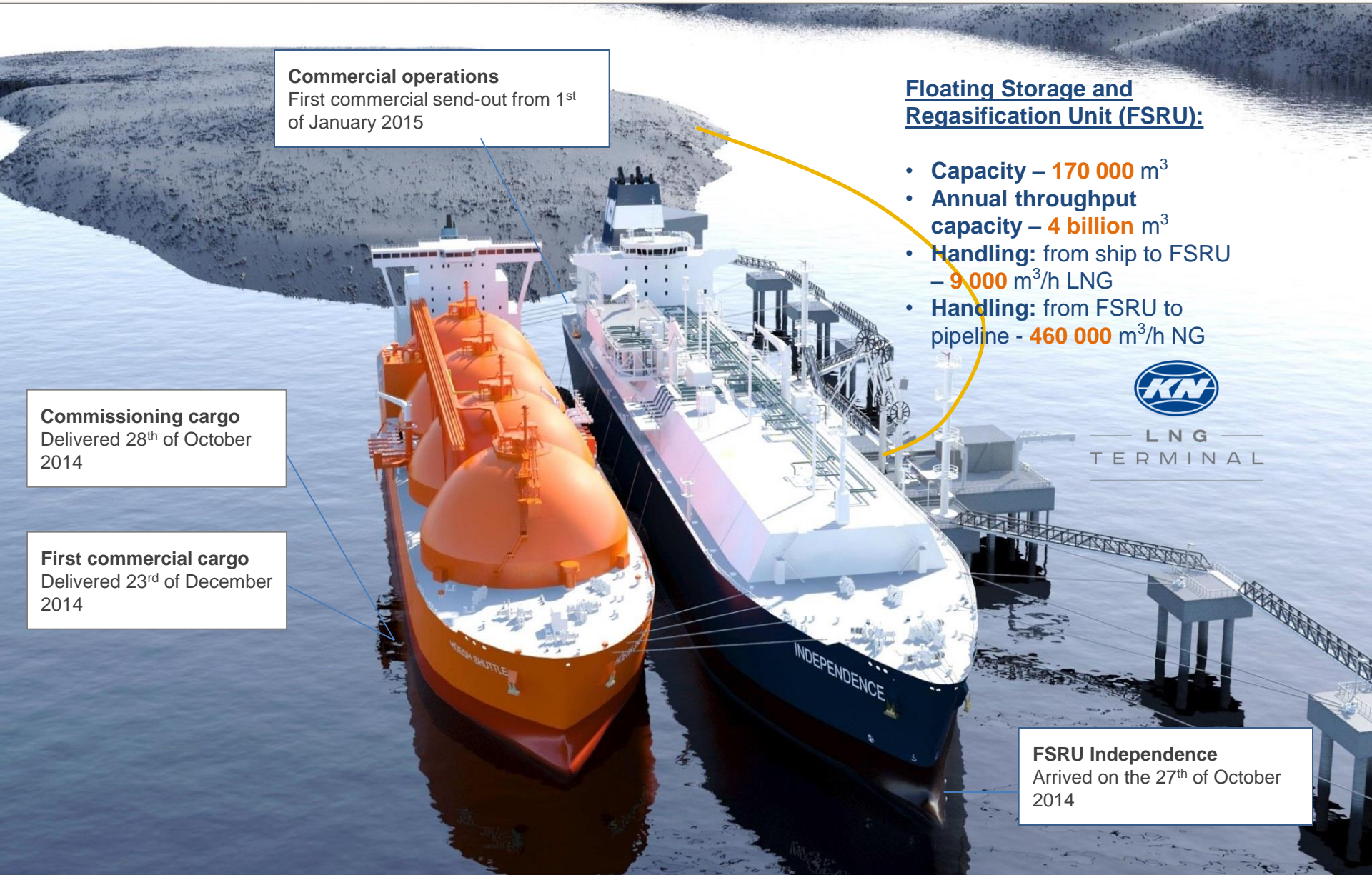
Delivered 23rd of December 2014



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FSRU Independence

Arrived on the 27th of October 2014



LNG Terminal: Gateway for the Baltic Gas Market



LNG Terminal in numbers

Total investments and costs of

**492,35
million EUR**

- ← LNG terminal infrastructure
- ← Seaport preparation
- ← Quay construction
- ← 10-year lease of the floating storage and regasification unit (FSRU)

EUR 428,64 million

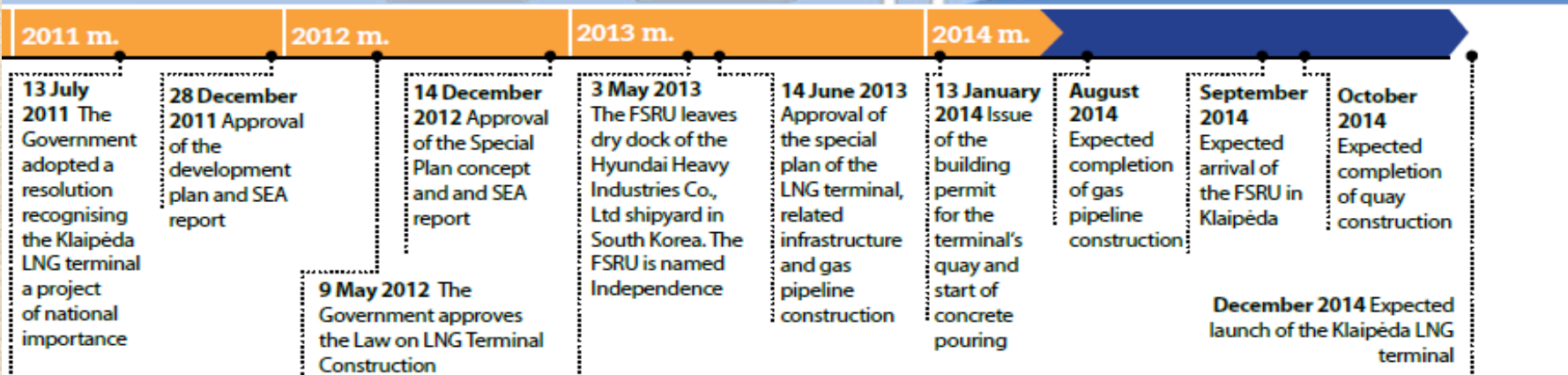
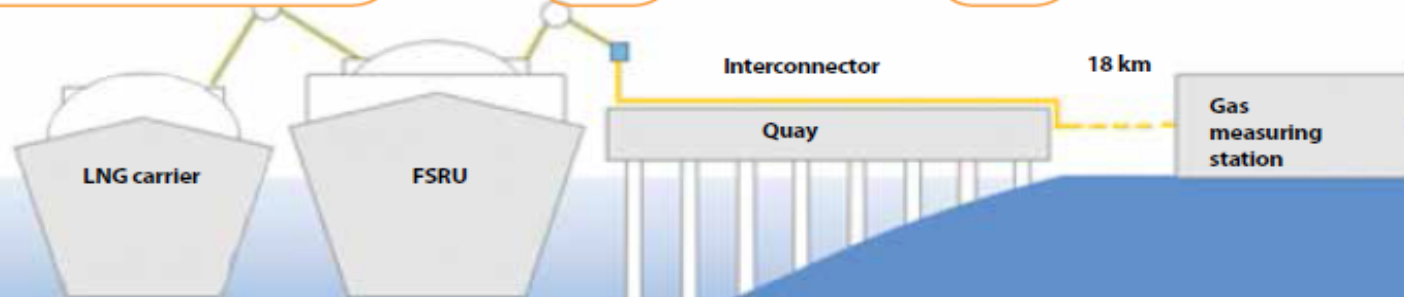
(net of VAT) 10-year lease of the floating storage and regasification unit (FSRU) including crew and maintenance costs

**EUR
27,19
million
(net of VAT)**

Quay infrastructure and suprastructure design and installation

**EUR
27,47
million
(net of VAT)**

Construction of a pipeline including drilling underneath the Curonian Lagoon

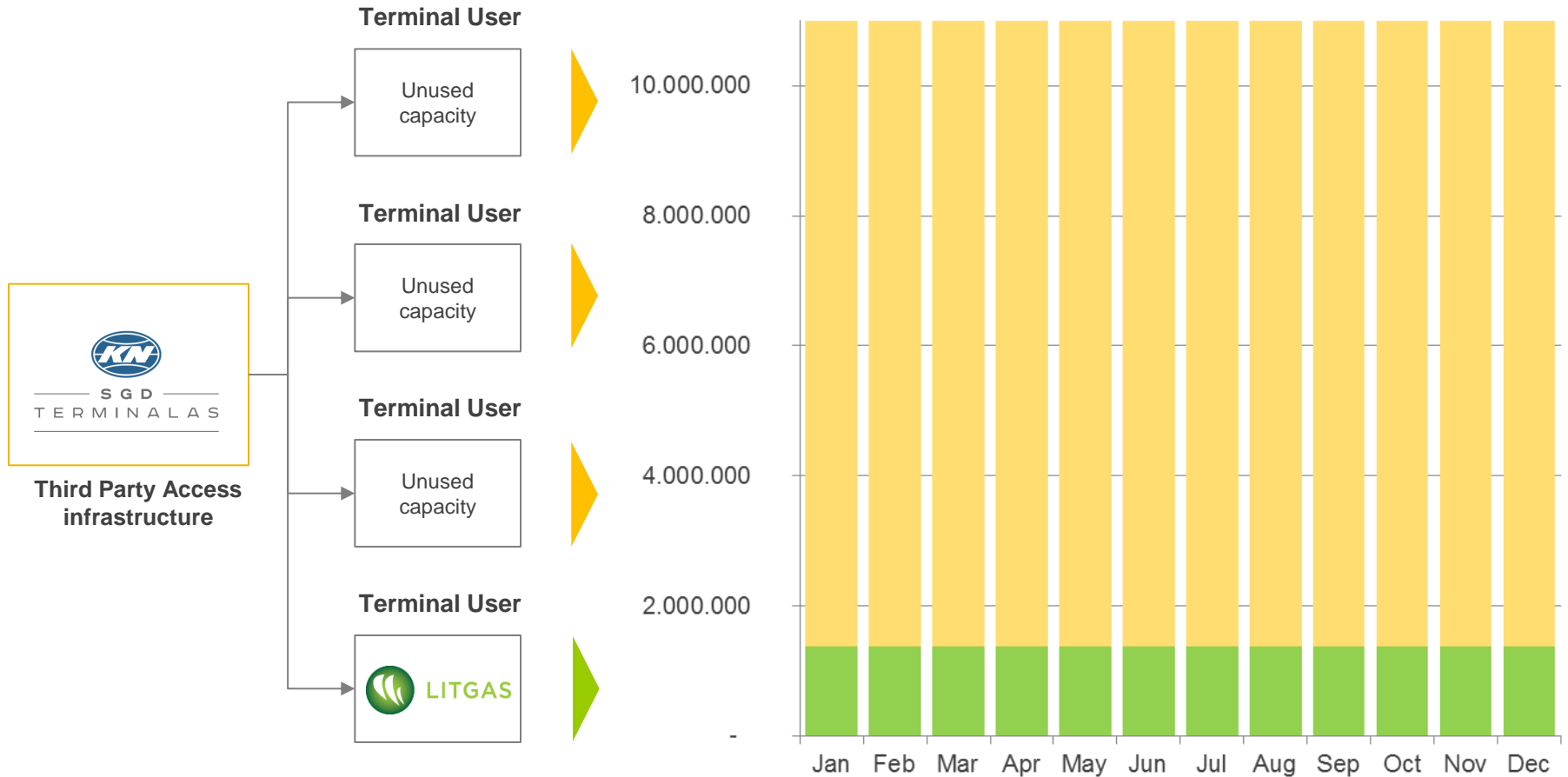


Key achievements



LNG terminal business model

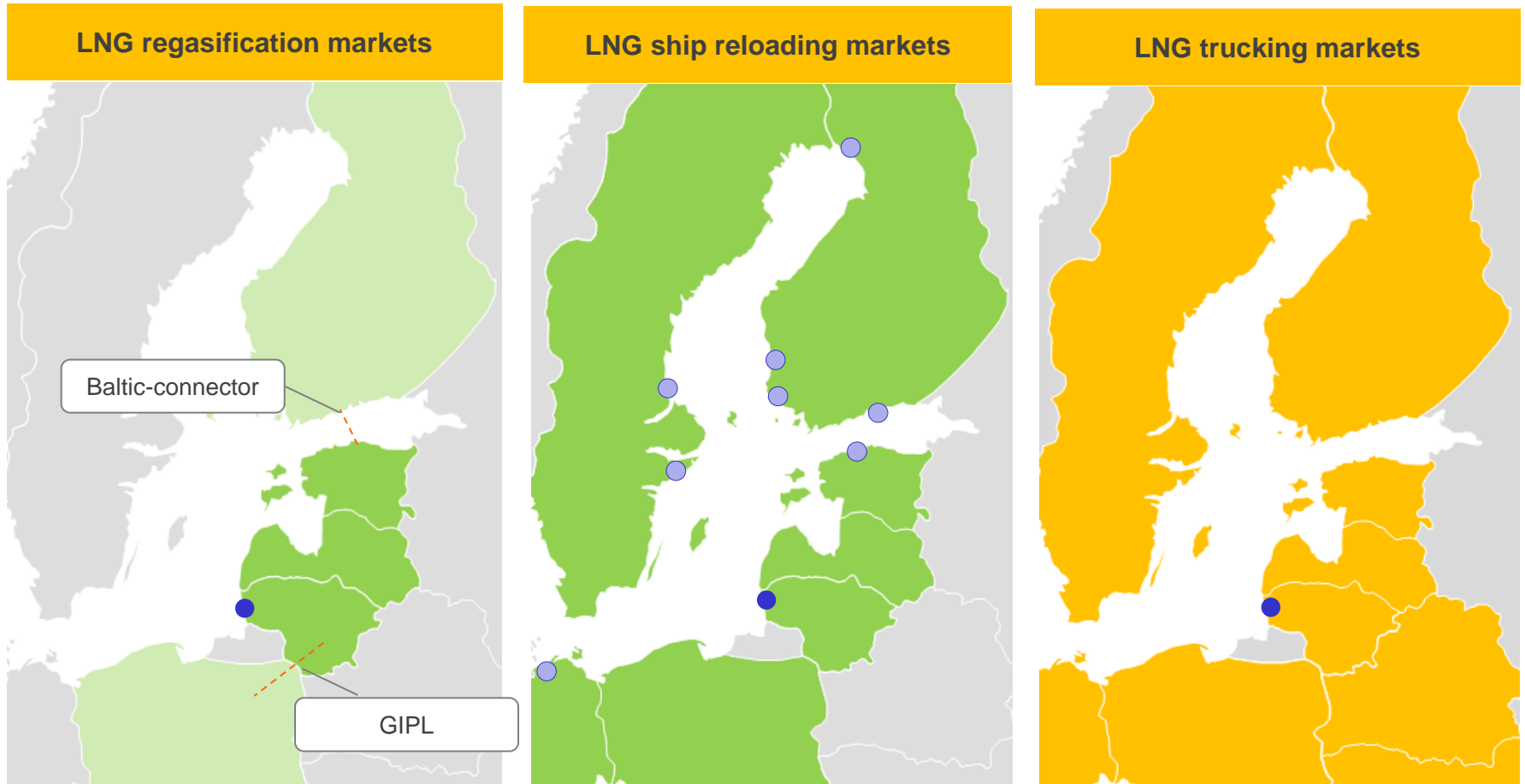
Terminal capacities are available via open booking procedure (Nm³/day)







- First trader in the terminal is a state owned company LITGAS
- Reserved capacities starting from the 1st of January, 2015
- Signed LNG supply contract with Statoil (0,54bcm/annum)

- Capacity available for traders
- Ensured minimum operational send-out

Ensuring energy security and access to new markets

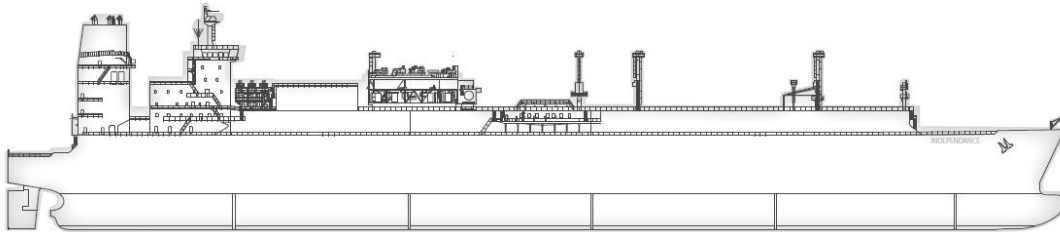


-  Markets accessible starting the 1st of January, 2015
-  Markets accessible after regional interconnections are finished
-  Markets accessible after on-shore LNG reloading station is finished
-  LNG terminals (5.000-30.000m³) in development

Services of the LNG terminal

Services

Start from the 1st of January, 2015.



LNG regasification

- Foundation capacities
- Seasonal capacities
- Spot capacities

Security supplement – 2,73
EUR/MWh

LNG reloading

- Seasonal capacities
- Spot capacities

LNG reloading tariff – 1,14
EUR/MWh

- Minimum send out ensures constant operation availability
- All services are on a transparent third party access basis

New opportunities in 2016-2017

LNG reloading station

LNG bunkering and truck reloading

- LNG cargo break-bulking possibilities

LNG reloading station concept

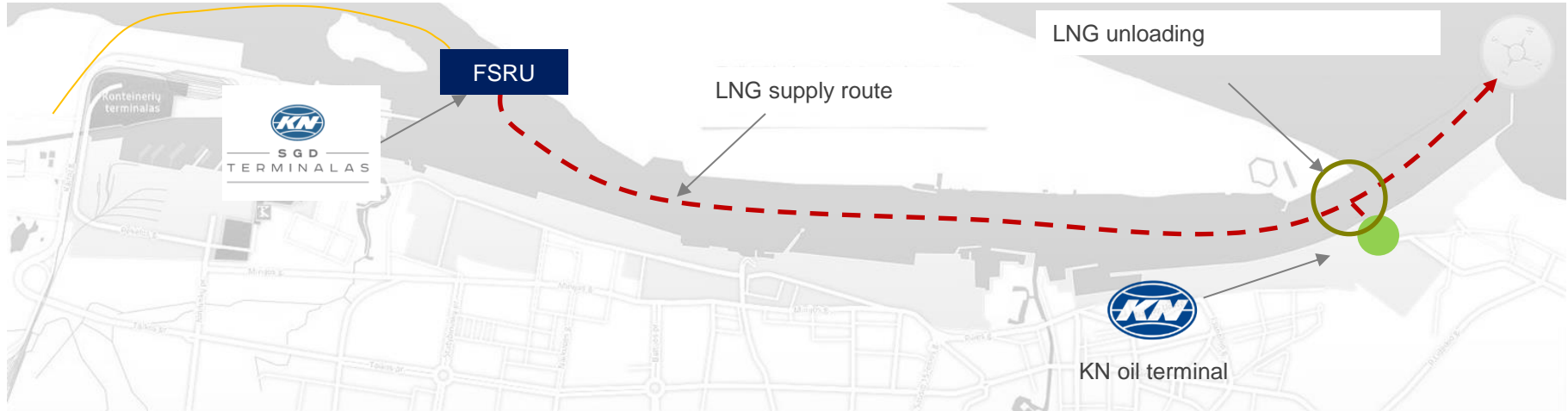


Co-financed by the European Union
Trans-European Transport Network (TEN-T)

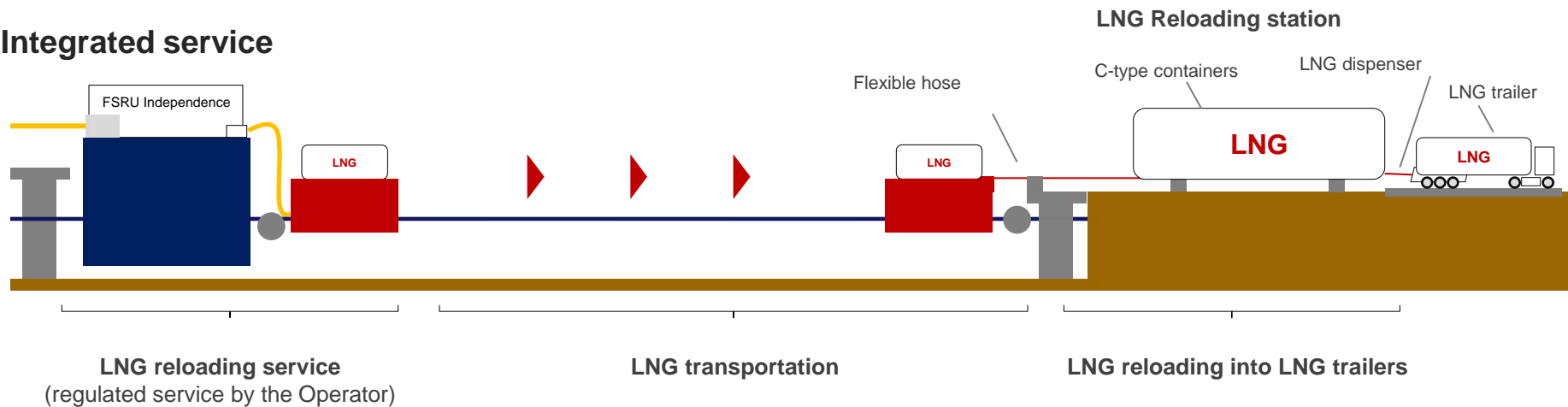


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LNG Supply Route



Integrated service



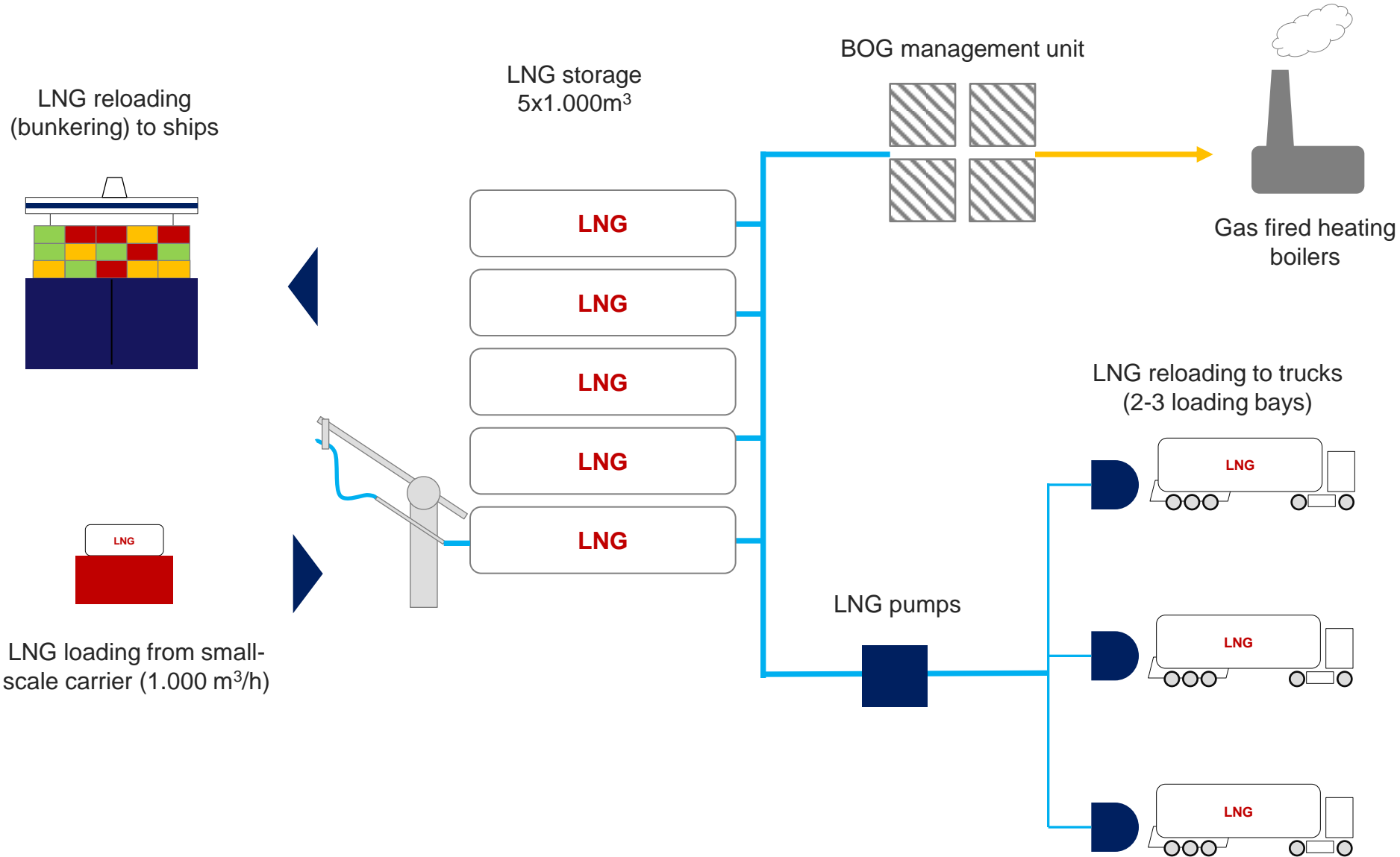
Technological concept



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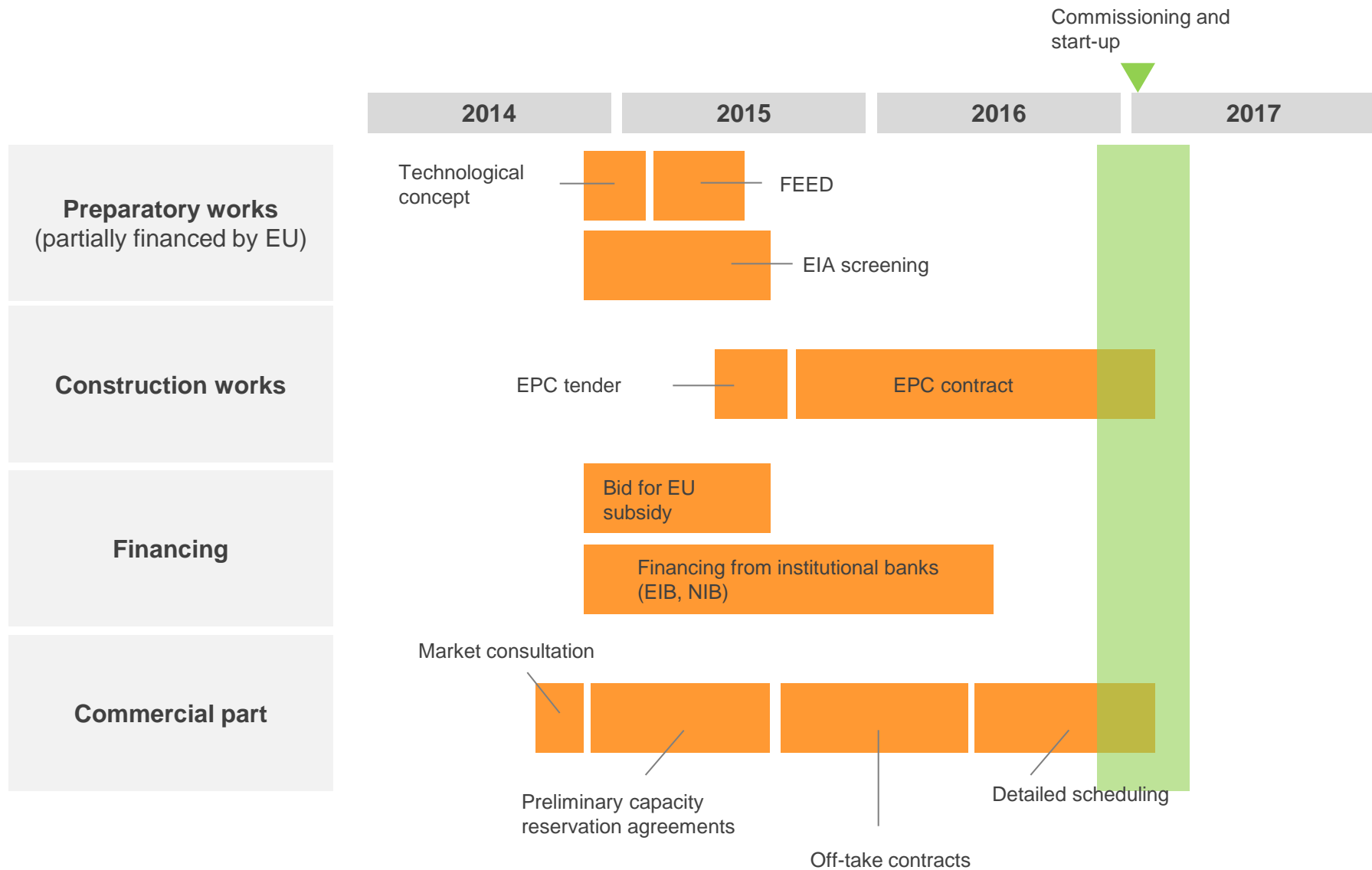
Preliminary Project timeline



Co-financed by the European Union
Trans-European Transport Network (TEN-T)



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LNG Reloading station



Co-financed by the European Union
Trans-European Transport Network (TEN-T)



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Preliminary location of the new LNG reloading station

SC Klaipėdos nafta oil transshipment terminal

LNG terminal



Received EU financing for design



Started FEED, risk analysis and EIA



Started market consultation to estimate demand



Initiation of pilot-projects



- LNG auto-trailer reloading
- LNG bunkering solutions

Summary



- **In the first year**, import should be **1.5 billion** m³ of gas and this **will rise to 4 billion** m³ in the future.
- Starting from the 1st January 2015, **LNG regasification** and **LNG reloading**;
- **LNG reloading station** – LNG bunkering and truck reloading. Possibilities of LNG cargo break-bulking. Could be built by the end of 2016;
- **Access to new markets**: LNG regasification, LNG ship loading and LNG trucking;
- **The European Union Clean Fuel Strategy**: the installation of LNG filling stations every 400 km in the whole of EU by 2020.





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THANK YOU FOR YOUR ATTENTION!