

POLSKIE LNG

Owner and operator of the LNG Terminal in Świnoujście

Well-established and reliable business partner

Tariff – based regulated income



Providing services based on TPA principle

Extensive cooperation with domestic and international Oil&Gas organisations

Company asset value - PLN 3,0 bln

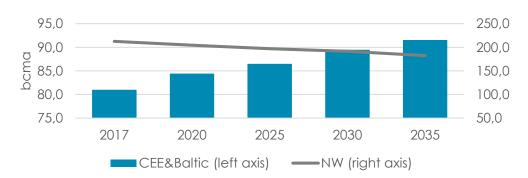
In charge of the operation and expansion of the LNG terminal in Świnoujście



NATURAL GAS MARKET IN THE CEE & BALTIC REGION

FORECASTED DEMAND BY 2035

- Current natural gas demand in the CEE and Baltic regions amounts to approx. 81 bcma
- ▶ Expected increase in demand up to 91 bcma in 2035



Source: ENTSOG

MAJOR GROWTH FACTORS

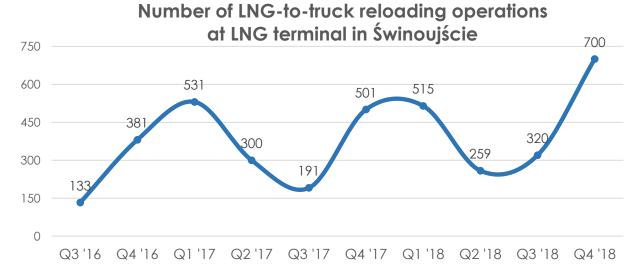
- ▶ Enhanced competitiveness compared with other energy sources available
- ► Climate and environmental considerations switch to low-emission fuels
- Natural gas utilised in power generation
- Transport and shipping industry (LNG as an alternative fuel)



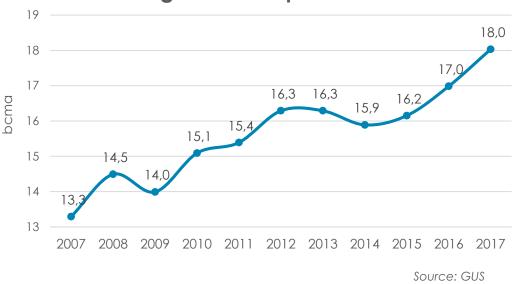


NATURAL GAS MARKET IN POLAND

- Natural gas consumption in Poland in 2017 amounted to 18,0 bcm (growth by 6% YTY)
- Northern Gateway Project to propel natural gas market development in Poland
- Stable and incremental growth of natural gas market in Poland
- Approx. 42% of the territory without gas supply network



Natural gas consumption in Poland



- Fleet of LNG propelled vessels on Baltic sea planned (i.a. Polferries)
- ▶ LNG in public transport (e.g. Warsaw)
- 49 Small Scale LNG regasification plants
- 3 LNG refuelling stations currently in operation
- ▶ LNG bunkering ships ordered



2018 HIGHLIGHTS

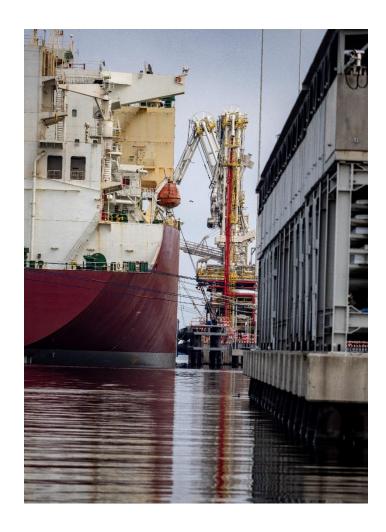
52 – overall number of LNG cargos delivered to LNG terminal to date. **23** operations in 2018

Over **5 bcm** – volume of LNG regasified since the beginning of Terminal operation

1794 – number of LNG trucks filled

20 September 2018 – first ISO container loaded

24 LNG trucks – record number of LNG trucks loaded in one day





TRENDS



Anticipated **growth in demand for natural gas** in Central and Eastern Europe and in the Baltic Sea region.



Expansion of the natural gas transmission system and interconnectors provides an opportunity for **regional market integration**.



European climate and environmental regulations driving the process of transformation towards low emission fuels.



Increasing use of natural gas for power and heat generation.



Accessible Road vehicle and Marine & Inland waterway bunker fuel



Prospects for improving the results of economies in the region by reducing the price of energy and **boosting competition** among natual gas suppliers.



LNG Expansion Programme





TODAY

TOMORROW



KEY DRIVERS FOR LNG MARKET EVOLUTION

Regulatory conditions

MARPOL, The Sulfur Directive

Lowering the level of sulfur in the fuel used in vessels in the SECA area, embracing Baltic Sea up to 0.1%

Alternative fuels Directive (DAFI)

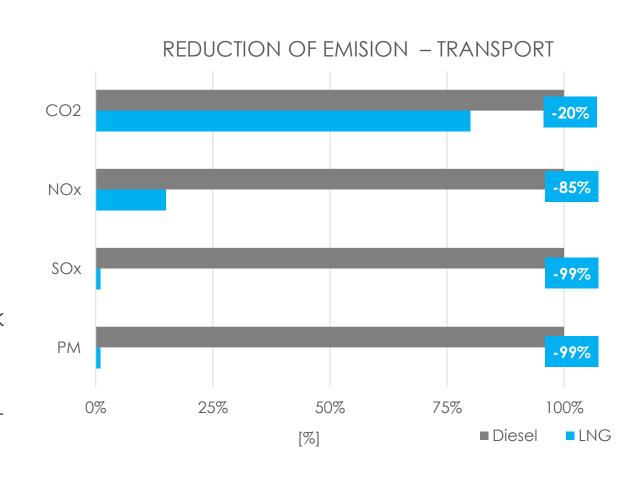
Framework for the development of alternative fuels infrastructure in the EU, as well as minimum requirements for the development of alternative fuels infrastructure, including charging points for electric vehicles and natural gas refueling points (LNG and CNG) as well as hydrogen

- Environmental requirements
- Increase of price competitiveness of CNG and LNG (zero excise tax rate in Poland)



PROSPECTIVE AREAS OF LNG UTILISATION

- ► LNG as a fuel:
 - Marine sector
 - Road transport
- Electricity and heat production
- LNG cold recovery (food industry, storage)
- Small Scale LNG infastructure: off-grid & peak shaving
- Food processing (cryoconcentration, freezedrying ...)





NEW SERVICES TO OPEN A NEW MODES OF LNG TRANSPORT

Rail and intemodal transport of LNG

- Capacity of up to 1700 tonnes of LNG per day
- Possibility of intermodal transport utilization
- ▶ ISO containers and cryogenic railcars loading capability

Small Scale LNG vessels and inland barges

- ► Max loading capacity of 5600 cm of LNG per hour
- 2nd jetty designed for fitting the small scale LNG carriers
- Utilization of inland waterways system potential
- Bunkering services to be boosted within the Region





NEW SERVICES AT LNG TERMINAL IN ŚWINOUJŚCIE

▶ Baltic region

- LNG bunkering
- ► LNG loading onto bunkering vessels
- ► LNG loading onto smaller vessels
- LNG transshipment

► CEE region

- ► LNG intermodal transport
- LNG road transport
- ► LNG as a fuel
- ▶ LNG peak shaving and satellite regasification







THANK YOU FOR YOUR ATTENTION

