# THE ŚWINOUJŚCIE LNG TERMINAL EXPANSION PROJECT

## SMALL SCALE VALUE CHAIN IN THE BALTICS


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POLSKIE LNG

# POLSKIE LNG

Owner and operator of the LNG Terminal in Świnoujście

Providing services based on TPA principle

Well-established and reliable business partner

Extensive cooperation with domestic and international Oil&Gas organisations

Tariff – based regulated income

Company asset value - PLN 3 bln

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

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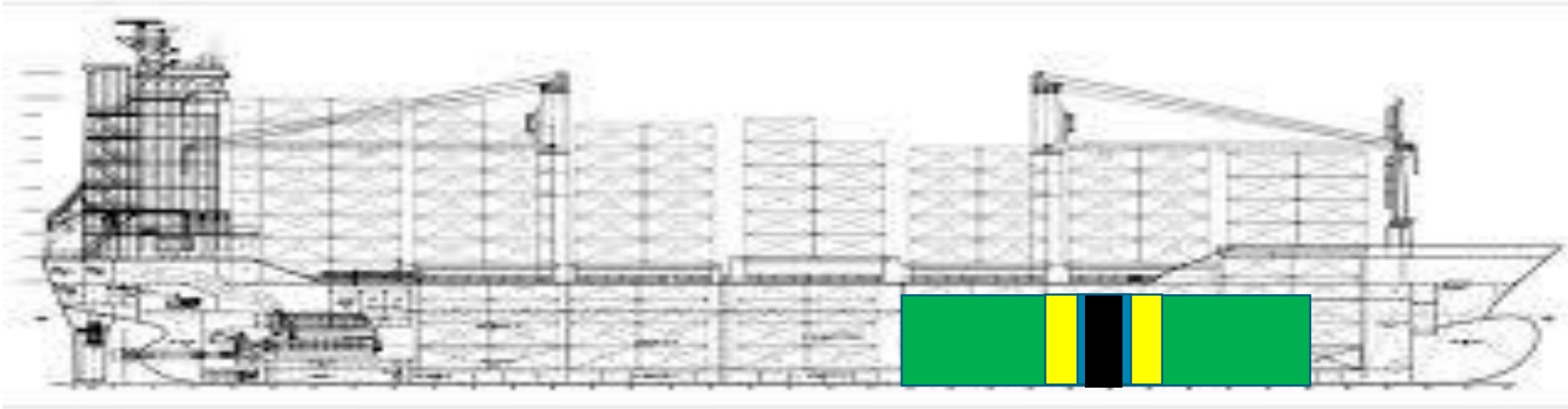
# I. LNG AS A MARINE TRANSPORT FUEL



HFO, MGO Today

LNG Today

Hydrogen 2030+

Batteries 2040++

**LNG is only available solution today!**

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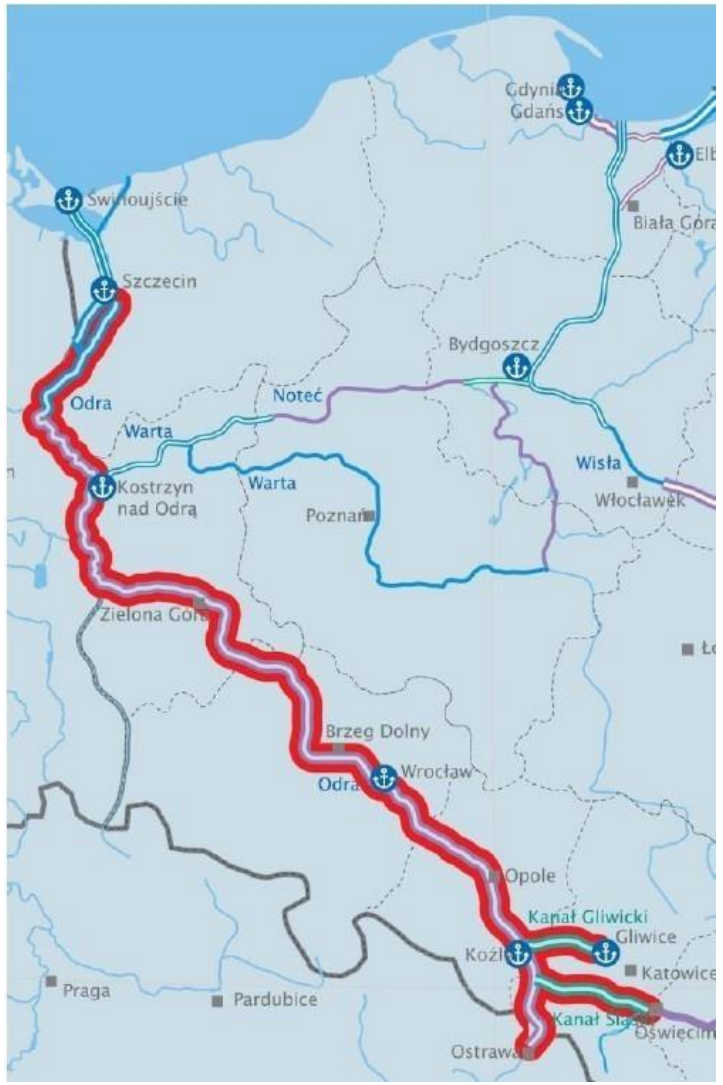
*based on Affinity data

# II. LNG AS A FUEL FOR INLAND WATERWAY TRANSPORT

**Modernisation of the Oder – Inland Waterway**

- LNG as a fuel is an available alternative that has the most positive effect on reducing emissions
- Activation of waterway inland transport in Poland and in the region
- The potential of LNG demand for bunkering and transportation is estimated up to 700,000 cm LNG per year
- Demand for LNG transport will depend on changes taking place on the gas market and cost effectiveness of LNG transport by inland waterway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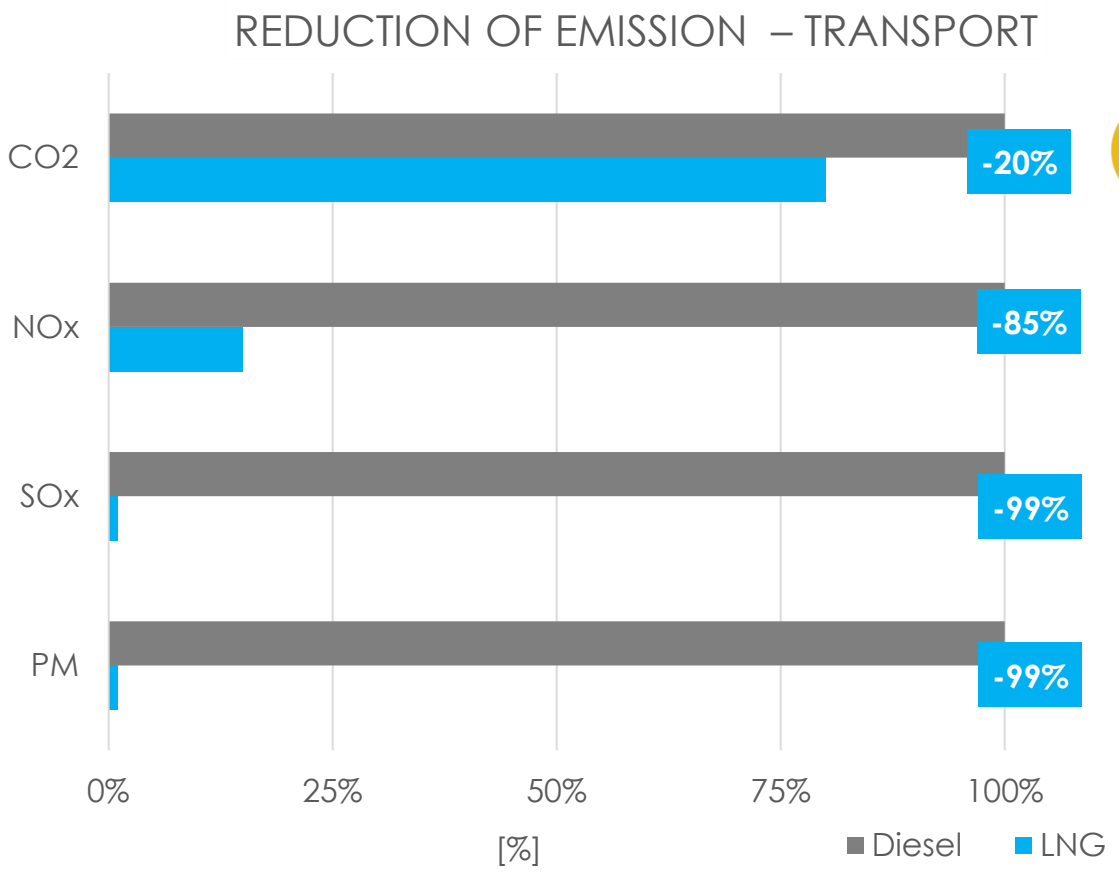
# LNG BENEFITS




- IMO Strategy on reduction of GHG (by 50% till 2050)
- MARPOL NOx Tier III Regulation
- Directive (EU) 2016/802 of 11 May 2016 relating to a reduction in the sulphur content of certain liquid fuels
- Particulate Matter (PM) – IMO - Regulation 14

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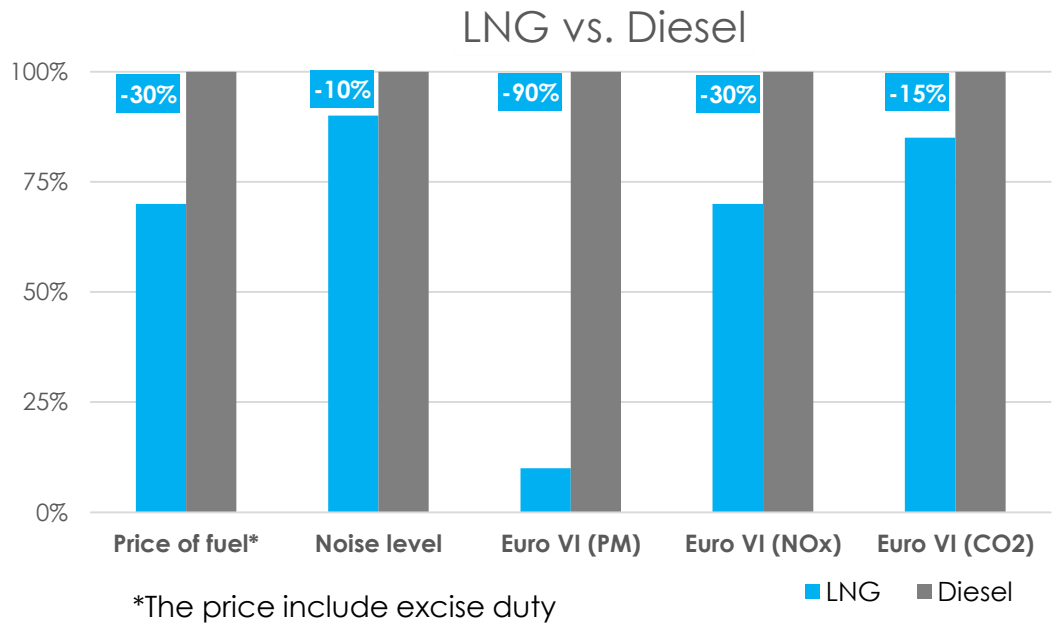
# III. LNG AS A HEAVY DUTY VEHICLES FUEL

- Range on LNG fuel up to 1.500 km mileage on single refueling
- Short refueling time of LNG vehicles - 3-5 minutes for 450 l tank
- Existing and underconstruction LNG Stations will allow refueling on the Blue corridor




*The price include excise duty

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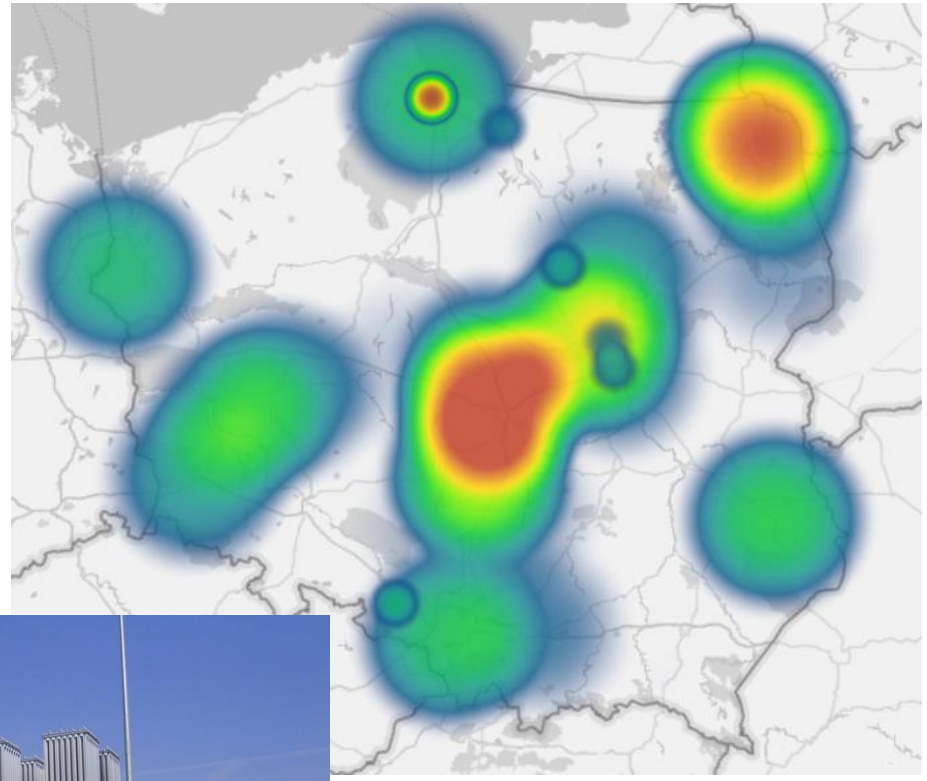
# IV. LNG FOR A ENERGY SECTOR

- ✓ Increasing usage of natural gas for power and heat generation
- ✓ Peak shaving
- ✓ fuel for HD vehicles
- ✓ Transition fuel towards renewable
- ✓ 80 LNG Small Scale infrastructure in Poland to come in 2023



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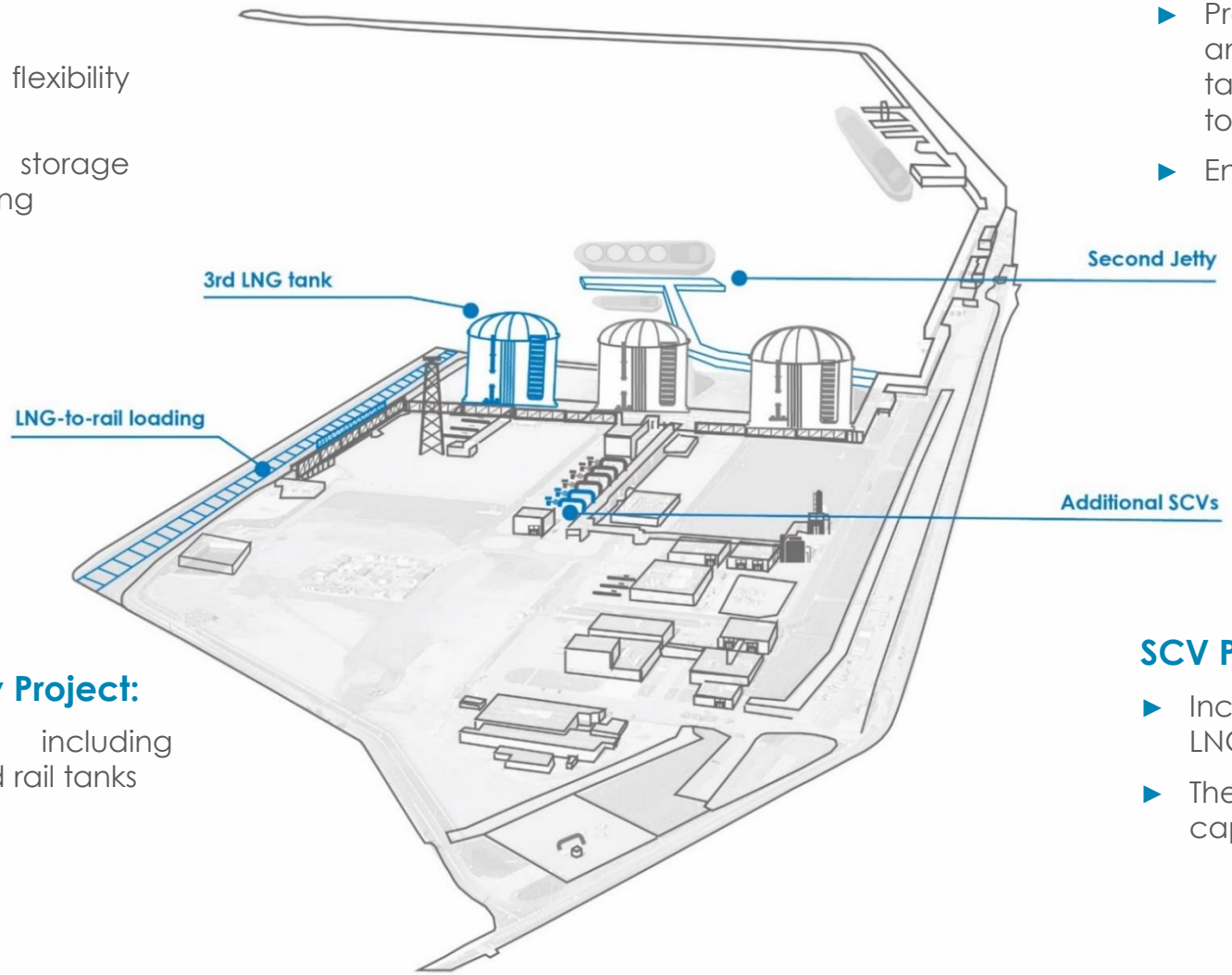
# THE ŚWINOUJŚCIE LNG TERMINAL EXPANSION PROJECTS

## LNG tank Project:

- Increasing the technical flexibility of LNG terminal
- Obtaining the optimal storage capacity for LNG reloading




## Second jetty Project

- Providing new services including loading and unloading small and medium LNG tankers, LNG transshipment, LNG loading to bunkering vessels
- Enabling the STS bunkering

## LNG-to-rail loading facility Project:

- Providing new services including loading ISO containers and rail tanks
- *Virtual pipeline* application

## SCV Project:

- Increasing the send-out capacity of LNG Terminal up to 7,5 bcma
- The target maximum regasification capacity of the plant – 984,000 Nm3/h

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# 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

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THANK YOU FOR ATTENTION

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