The background of the slide is a composite image. The top portion shows an aerial view of the Lech Kaczyński LNG Terminal in Świnoujście, featuring a large rectangular storage tank and various industrial structures. The bottom portion shows a close-up view of a ship's deck with complex piping and machinery. The text is overlaid on a dark blue semi-transparent rectangular area.

Capabilities and functionalities of Lech Kaczyński LNG Terminal in Świnoujście

Terminal LNG – Overall Technical Description

- **Designed regas capacity** of the PLNG Terminal:
5.0 BCMA,
Nom./max. send-out: 570/656 000 Nm³/h
Min. send-out: 75 000 Nm³/h
Planned expansion: up to 7.5 BCMA.
- **LNG unloading facility** designed to receive LNG/Cs of 120 000 to 217 000 m³ (Q-flex), unloading rate of 12 000 m³/h.
- **2 full containment LNG storage tanks**, 1 65 000 m³ gross capacity each, room for the third tank.
- **National grid's inlet pressure**: 6.3 – 8.4 MPa,
Temperature: 1°C.
- **LNG trucks loading station** with two loading slots of 95 000 tpy capacity (total) and room for future expansion.
- **SCV vaporizers for regasification**, ORVs to be installed in the future.



Terminal LNG – site plan

Offloading jetty

LNG/C manouvering area

Seawater intake platform

Space for third storage tank

Vent

LNG trucks loading station

BOG compressors

Gas metering station

Technical corridor

LNG storage area

Firewater tank

Regasification area (SCV)

Buildings: admin, warehouse, MCR

„Moss” type LNG/C during berthing



- As of June 2016, the LNG Terminal in Świnoujście is fully operational and running.
- We have already received 55 cargoes successfully.

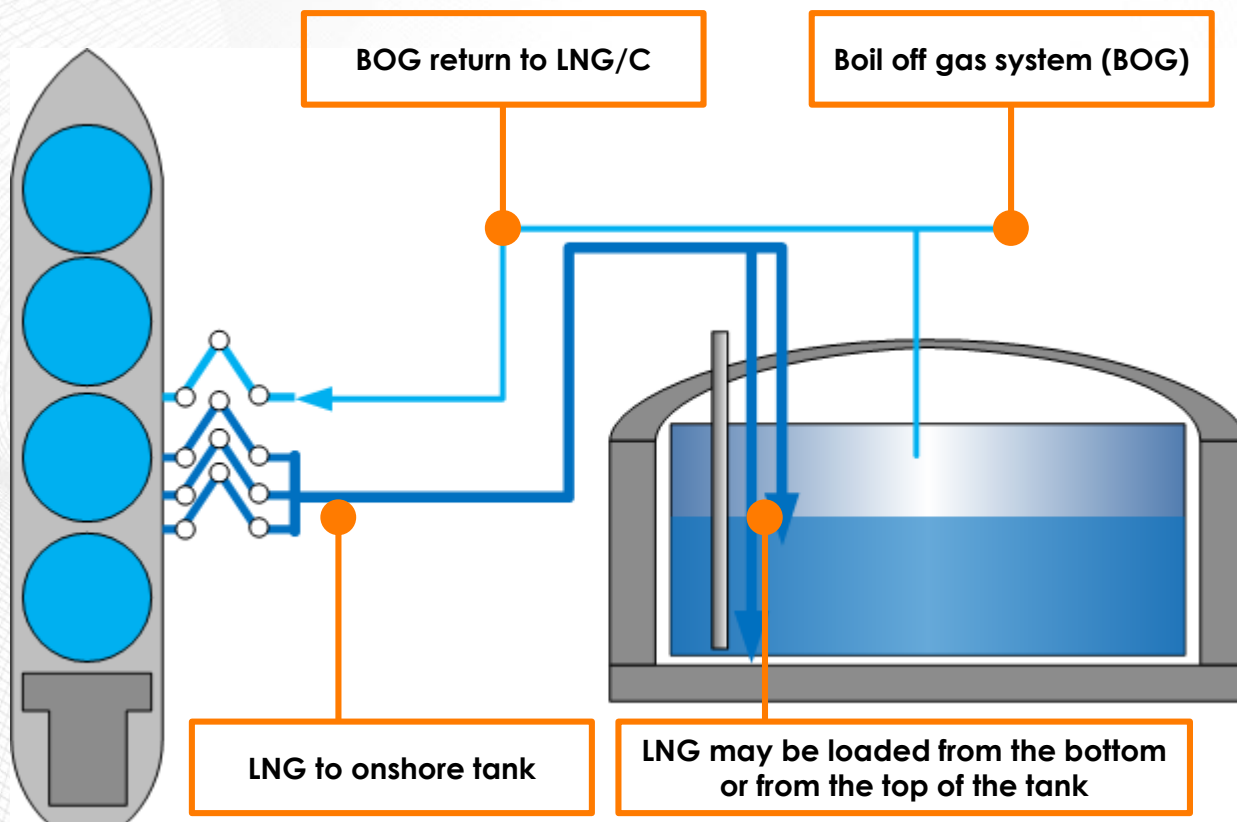
„Q-flex” type LNG/C alongside and discharging



Niniejszy dokument zawiera informacje stanowiące tajemnicę Polskiego LNG S.A., w myśl ustawy z dnia 16 kwietnia 1993 r. o zwalczaniu nieuczciwej konkurencji (Dz.U. 2003 nr 153 poz. 1503 t.j.). Odbiorcą ww. informacji może być jedynie adresat tego dokumentu z wyłączeniem osób trzecich

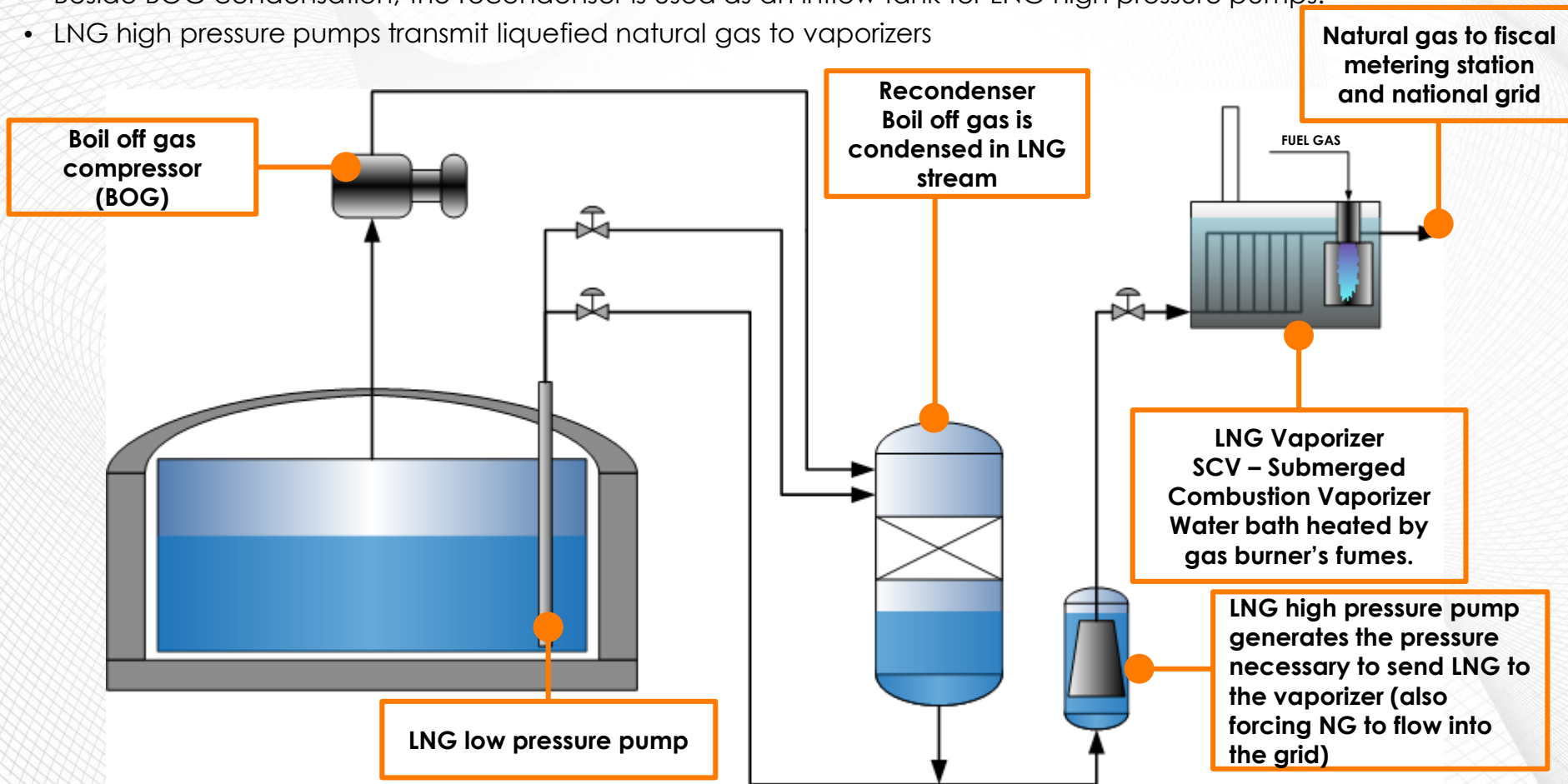
LNG unloading & process storage

- LNG is discharged to onshore process storage tanks using 3 unloading arms and vessel pumps,
- fourth arm – BOG (boil-off gas) return to LNG carrier's tanks,
- the main liquefied gas pipeline is maintained cold (approx. -160°C) through circulation of LNG in piping system.

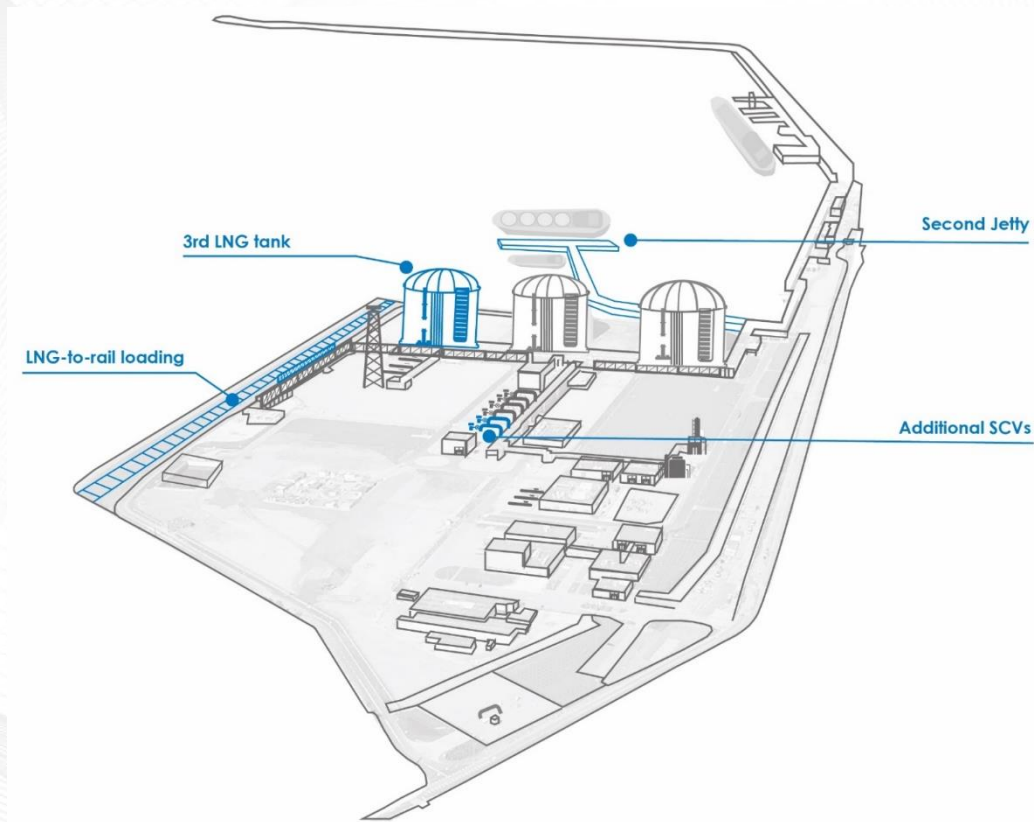


LNG Regasification process

- LNG low pressure pumps transmit liquid to recondenser.
- Boil-off gas (BOG) compressors send BOG to the recondenser and the fuel system.
- Beside BOG condensation, the recondenser is used as an inflow tank for LNG high pressure pumps.
- LNG high pressure pumps transmit liquefied natural gas to vaporizers



THE ŚWINOUJŚCIE LNG TERMINAL EXPANSION PROJECT



An aerial photograph of a large industrial facility, likely a refinery or chemical plant, with various structures, pipes, and storage tanks. The image is overlaid with a dark blue semi-transparent layer.

Thank you for your attention