

## REFERENCE LETTER

The company KB Pomorze Sp. z o.o. with registered office at Sienna Street 50, 80-605 Gdańsk, from July 2016 to July 2018, participated in the EFRA Project for Grupa LOTOS S.A. and its subsidiaries with registered office at Elbląska Street 135, 80-718 Gdańsk, in two areas / tasks: (i) Hydrogen production unit (HGU) – as the main mechanical subcontractor of the EPC contractor for this unit, KT Kinetics Technology SpA (investor – LOTOS Asphalt) and (ii) interconnection pipelines (part of U&O) – as the main contractor of the following companies: Grupa LOTOS and LOTOS Asphalt (investors).

The scope of KB Pomorze works consisted of the following:

1. Development of construction documentation, workshop drawings, quality control and welding documentation, including as-built documentation and documents required by the PED (pipeline dossier).
2. Development of design documentation for electric tracing (interconnection pipelines).
3. Material management – warehouse for the task: interconnection pipelines.
4. Providing engineering supervision, including: project managers, construction managers, work managers, quality control, welding supervision, health and safety, administration – about 50 engineers.
5. Execution of mechanical, piping erection and anticorrosion works for both areas as well as civil works, electrical works and insulation for interconnection pipelines.
6. Delivery and erection of ca. 125 tons of steel structures for interconnection pipelines and erection of ca. 450 tons of steel structures for HGU.
7. Installation of HGU equipment (e.g. reactors, filters, heat exchangers, vessels, pumps, compressor, air-cooler) – total weight of ca. 450 ton.
8. Erection of HGU steam reformer – total weight ca. 636 ton.
9. Erection of ca. 1170 pipelines (600 – HGU and 570 – U&O) on piperacks and in trenches – total weight ca. 1685 ton; total amount of welded joints equal to 161000 DI (dia-inches): 106000 DI – U&O and 55000 DI – HGU, with the following parameters:
  - a) Media: oxygen, air, nitrogen, hydrogen, amine, caustic, LPG, natural gas (high and low-pressure), liquid hydrocarbons, high-, medium- and low-pressure steam.
  - b) Material grades: carbon steel (grade 1), austenitic steel (grade 8), carbon and austenitic alloy steels.
  - c) Execution of over 460 tie-ins on existing pipelines, including approx. 230 hot tie-ins , i.e. without emptying, draining or flushing/special cleaning.
  - d) Diameters: from ½” (DN15) to 42” (DN1050).
10. Erection of 85 km of steam tracing and 440 pcs. of steam and condensate manifolds (in the scope of interconnection pipelines).
11. Erection of the high-pressure natural gas pipeline (5,5 MPa) supplying the HGU (from a reduction station) with diameter 6” (DN150) and length ca. 1020 m (including ca. 214 m of the underground portion).

12. Execution of directional drilling in HDD technology with a diameter of 6" and a length of ca. 106 m.
13. Cleaning and flushing of pipelines (including chemical cleaning).
14. Pressure tests of pipelines and equipment.
15. Arrangements and acceptances with UDT (Polish Technical Safety Office) and Notified Body, as a manufacturer of the pipelines in accordance with the Pressure Directive (PED).
16. Execution of precommissioning and assistance during commissioning.

The value of the works amounted to approx. 30 mln PLN for HGU and approx. 77 mln PLN for U&O (interconnections); total: approx. 107 mln PLN.

The works were carried out with due diligence, in accordance with sound engineering practices and with high level quality and safety ('zero' occupational accidents recorded).

We hereby confirm that KB Pomorze Sp. z o.o. performed the ordered scope of work in a professional manner and using proper communication with investors.



Wojciech Sieniawski  
Director – EFRA Project  
Grupa LOTOS SA