

KB Pomorze Sp. z o.o.
ul. Sienna 50
80-605 Gdańsk

REFERENCE LETTER

The company KB Pomorze Sp. z o.o. with registered office at Sienna Street 50, 80-605 Gdańsk, entered into the Register of Entrepreneurs of National Court Register conducted by the District Court Gdańsk-North, VII Commercial Division of NCR under the KRS no. 0000134046, from 11th October 2018 to 30th March 2020 participated in the investment: Construction of the Hydrogen Regeneration Unit for Grupa LOTOS S.A. with registered office at Elbląska 135 Street, 80-718 Gdańsk. KB Pomorze Sp. z o.o. was involved in this task after successfully completing their scope within the EFRA Project – Hydrogen Generation Unit (HGU) and interconnection piping (U&O).

Due to the technical and organizational problems of the other subcontractor and leaving the construction site, further scopes of work were commissioned to KB Pomorze and settled in a lump sum and hourly rates. KB Pomorze immediately responded to the rapidly changing needs of personnel and tools, while implementing optimal technological and organizational solutions.

The scope of KB Pomorze works consisted of the following:

1. Inventory of pipelines fabricated and party assembled by the other subcontractor, as well as verification of as-built documentation of fabrication.
2. Erection of ca. 8 t of steel structure.
3. Erection of 301 pipelines and 357 modifications of pipelines with total weight of 94 t and total number of welded joints equal to ca. 8253 DI ("diainches"), with the following parameters:
 - a) Media: low-pressure steam, condensate, nitrogen, service and instrumentation air, service water, fire water, cooling water, warm cooling water, liquid and gaseous hydrocarbons, lubricating oils, process wastewater.
 - b) Material grades according to ISO TR 15608: 1 and 8,
 - c) Diameters: from ½" (DN15) to 24" (DN600).
4. Non-Destructive Testing of 9264 joints, including 9264 VT examination, 5516 PT examination and 983 RT examination,
5. Repair of 3244 joints,
6. Replacement of ca. 2000 piping elements – fittings and instrumentation,
7. Purchase of materials, fabrication, delivery and erection of sprinkler rings.
8. Sandblasting and galvanizing of the sprinkler pipelines – ca. 4300 kg.

9. Welding of supporting structure for the pipelines fastening – ca. 3600 kg.
10. Welding of fasteners and installation of pipelines nameplates in the amount of approx. 700 pcs.
11. Welding of pipelines' grounding in the amount of approx. 300.
12. Providing engineering supervision, including: work managers, quality control, welding supervision, health and safety, administration – up to 15 engineers.
13. Development of as-built documentation for the erection of 301 pipelines, including 176 subject to PED.
14. Pressure tests of pipelines.
15. Arrangements and acceptances with NoBo UDT – PED pipelines and supervision of technical office (UDT) during operation - conformity assessment procedure according to modules A, A2, B+F,
16. Mechanical start-up and assistance with technological start-up

Total manhours worked: 103 645

The work has been carried out with due diligence in accordance with sound engineering practice and the highest level of quality and safety.

We hereby confirm that KB Pomorze Sp. z o.o. has performed the ordered scope of work in a professional manner and maintaining proper communication with investor. We recommend KB Pomorze Sp. z o.o. as an experienced partner in the implementation of specialist engineering tasks of considerable technical complexity. It should be emphasized that KB Pomorze operates with special flexibility and dynamics in the demanding work environment, while taking over unfinished scopes of work from other subcontractors, with high variability of priorities and difficult planning possibilities.

References are issued at the request of KB Pomorze Sp. z o.o.
References can be published and distributed only in the aggregate.

DYREKTOR ds. PROJEKTÓW

Marcin Piankowski