

CASE STUDY

ELHAND Transformatory for Oil and Gas Industry

CLIENT

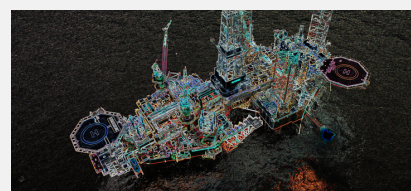
LOTOS Petrobaltic – Polish company involved in the exploration and production of oil and gas deposits on the Polish Baltic Sea shelf, as well as comprehensive offshore logistics services, marine research services and fleet management.

THE CHALLENGE

- Transformer designs in various IP protection levels to meet the high safety standards of offshore platforms operating in harsh environments.
- Passing the tests required by the PRS classification society.
- Apart from meeting the unusual electrical conditions, the client expected optimization of heat losses and the use and adaptation of the construction to the space available on the platform.
- Diverse means of transport and highly complex installation in small spaces.

THE SOLUTION

Creating individual and prototype designs. High and slim, low and wide transformers, working faultlessly in harsh environmental conditions. Planning and implementation of the entire logistics process allowing for the smooth and safe delivery and installation of the transformers in the demanding space on the upgraded oil platform.



Photos:
LOTOS Petrobaltic S.A/Elhand Transformatory

RESULTS

Over the last 2 years, in connection with the modernisation of the Petrobaltic platform, we have produced a rich yet diverse series of medium and low voltage transformers with capacities ranging from 125 kVA to 1600 kVA.