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Business Unit Uhde

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EPC Project:

Nitric Acid Production Unit and Ammonium Nitrate Production Unit (Neutralization) in ANWIL  
S.A. Wloclawek, Poland

### Recommendation

The company Thyssenkrupp Industrial Solutions AG would like to confidently recommend Jobtech Sp. z o.o. as a reliable and competent business partner.

Jobtech Sp. z o.o. has performed the following activities for tkIS under full compliance of all HSE requirement during Precommissioning and Commissioning phase:

- Hot Oil Flush of the oil systems: preparation, execution and re-installation hot oil flushing of process compressors/turbine skid and generator turbine skid;
- Process Compressors Train: bearing inspection, coupling installation, alignment checks under tkIS - and vendor specialist supervision;
- Generator Turbine skid: complete overhauling of turbine rotor including replacement of turbine bearings and seals and rotor removal and re-installation under tkIS - and vendor supervision;
- Generator: removal, re-installation and re-alignment of 10MW Generator with turbine gearbox under tkIS and vendor supervision;
- Process Pumps: alignment checks of all pumps in the complete Unit;
- Process Gas Cooler: lifting the burned head and filling of ceramics, installation of catalyst gauze and adjustment of internals;
- Static equipment: preparation of all static equipment for start ups including cleaning and adjustment of internals of the Absorption Tower, Steam Drum etc. and final box up after inspection;

- Piping: removal of punch items for pipes, valves and supports including replacement the gaskets, repair of Check – and block valves, re-alignment of special piping supports, tubing installation, piping marking in accordance to local codes and standards and touch up paint;
- Steam Blowing: preparation of temporary piping for 40bar High pressure Steam system including fabrication and installation of temporary equipment for blowing activities. Dismantling and reassembly components of the systems;
- Leak tests on the hazardous system of Hydrogen, Ammonia, Natural Gas, Nitrous Gases;
- Commissioning assistance during system start ups: Works with chemical – Nitric Acid; Ammonia; Sodium triphosphate, repairs of leakages, cleaning and replacement of consumables (filters etc.);
- System maintenance during preservation period, i.e. purging with nitrogen, removal, transport and re-installation of safety valves, maintenance of machines and other critical elements;
- All kind of metalwork like – drilling, welding and grinding;

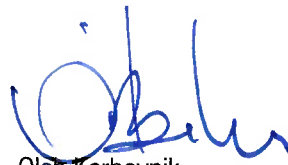
We are able to fully recommend Jobtech Sp. z o.o. as a reliable subcontractor. The equipment and technicians assigned to the project showed great professionalism and all works have been done with full attention to details and with a very good quality.

With kind regards  
thyssenkrupp Industrial Solutions AG



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