



Best High Pressure & Drilling Technology

BEST QUALITY AND MAXIMUM RELIABILITY





BHDT SERVICE – YOUR PARTNER FOR BEST QUALITY AND MAXIMUM RELIABILITY.

The trends in project development of large capital projects like new ammonia/urea and LDPE complexes show that the overall responsibility is shifting from contractors to operating companies. Also local engineering and local construction companies are becoming stronger, more experienced and more involved in these projects. BHDT has decided to intensify its services business in order to adapt to these trends and deliver more added value to contractors and operating companies.

BHDT SERVICE MISSION IS TO:

- Offer Full Life Cycle support for all High Pressure Piping systems.
- Learn & Improve via strategic partnerships with operating companies.
- Become the One Stop Solution provider for all HP piping issues
- Offer Best Quality and Maximum Reliability .

The activities of BHDT Service include all activities related to High Pressure piping systems in a urea and LDPE plant; from Basic and Detailed Engineering, Installation services, Corrosion Inspections, Troubleshooting, Emergency supply/repair, Spare Parts Management up to Training Programs.




- 1. ENGINEERING SERVICES**

- 2. INSTALLATION SERVICES**

- 3. CORROSION INSPECTION SERVICES**

- 4. TROUBLESHOOTING SERVICES**

- 5. EMERGENCY REPAIR SERVICES**

- 6. SPARE PARTS MANAGEMENT**

- 7. TRAINING SERVICES**


BHDT SERVICE



The figure above shows that during the life time of a urea plant each of these services will become necessary. For LDPE plants a similar scheme is valid. BHDT Service offers all these services; BHDT Service is your One Stop Solution provider for all your HP Piping issues.

1. ENGINEERING SERVICES

The High Pressure Piping system in a urea synthesis section and a LDPE plant is a crucial factor influencing the reliability and on stream times of the overall plant. For example high pressure drops, two-phase flow, the corrosive carbamate medium and the hazardous ammonia all deserve proper attention during the engineering phase of any urea project. Proper design philosophies of piping connections and piping support systems are important to avoid leakages and unnecessary shut downs of the plant.

BHDT Service can provide the complete High Pressure Piping Basic & Detailed Engineering of a Grass Root or Revamp project. This includes the High Pressure Piping supports and necessary stress analysis. Basis for BHDT Service's work will be the Licensor's Process Design Package and BHDT Services will closely co-operate with your (local) contractor.

THIS WILL LEAD TO THE FOLLOWING ADVANTAGES:

- BHDT Service has the Know How & Experience
- The Engineering Services can be combined with Installation Services
- Single point responsibility for the complete High Pressure Piping job
- Realize the shortest possible project realization.

Although High Pressure equipment items and rotating machines are long lead items, these do not determine the overall project schedule. Many times High Pressure Piping parts determine the overall project schedule as the Material Take Off (MTO) becomes only available at the end of the detailed engineering. In case BHDT Service provides the engineering, the base material can already be purchased during the preparation of the MTO which will lead to a significant shorter delivery time. In this way the overall project schedule can be reduced by upto six months.

2. INSTALLATION SERVICES

BEST QUALITY ...

High Pressure Piping in a high pressure synthesis section of a urea and LDPE plant deserves the Best Quality and Maximum Reliability. A proper installation of High Pressure Piping during the construction phase of a project and certainly during the hectic of a turnaround is not an easy job. Quality assurance of the materials applied, proper alignment, the welding and the piping supports are all critical and directly related to a reliable and safe operation of the plant.

In gas-phase High Pressure Pipelines in the synthesis section of a urea plant one has to pay special attention to apply in a proper way tracing and insulation in order to avoid condensation corrosion and stress corrosion cracking problems.

Good workmanship and experienced welders with the proper welder certificates are a pre-condition to avoid these problems: BHDT Service has these welders available including the proper Welding Procedure Specifications and Procedure Qualification Records for all materials of construction applied in urea and LDPE plants.

... AND MAXIMUM RELIABILITY

BHDT Service can offer you the complete High Pressure Piping installation of a Grass Root or Revamp project. These services can be combined with Engineering Services in order to obtain a single point responsibility.

Pre-fabrication of the High Pressure piping in the BHDT shop or at site will assure you of the best quality and maximum reliability. Further it will save precious time during the turnaround and a shorter turnaround saves significant money. z BHDT Service will closely co-operate with (local) contractors.

BHDT'S INSTALLATION SERVICES OFFERS YOU THE BEST QUALITY AND MAXIMUM RELIABILITY.



3. CORROSION INSPECTION SERVICES



HP piping in urea and LDPE plants can suffer from various kinds of internal and external corrosion phenomena. Especially in older plants it is strongly advised to inspect at regular intervals the integrity of the HP Piping to assure a safe and reliable operation. BHDT Service identifies and inspects the critical area's which are sensitive to corrosion/erosion from process side and atmospheric corrosion (corrosion under insulation) of all your High Pressure piping. BHDT Service has the experience and Know How.

4. TROUBLESHOOTING SERVICES



In a urea process several critical High Pressure valves are in operation: high pressure drops, crystallization, erosion, large flows and large sizes all can have its influence on the reliability of these important items, which influence the on stream time and many times the capacity of your plant. BHDT Service can assist you in troubleshooting any High Pressure piping or High Pressure valve problem. BHDT Services has the Know How and experience and can make use of its own test centers and laboratories. BHDT Service can support you to realize a more safe and reliable operating plant.

5. EMERGENCY REPAIR SERVICES

Call BHDT Service's Emergency Number and we will supply and/or repair your failed High Pressure piping parts. BHDT Service has a large material stock available, so is able to help you in the shortest time. In this way you are assured of best quality products leading to maximum reliability and safety.

 +43-664-8426505



6. SPARE PARTS MANAGEMENT



BHDT Service can take care of all your High Pressure Piping parts by means of setting up a local and/or central warehouse. You will be assured of short delivery times and high quality products against lower costs.

7. TRAINING SERVICES

BHDT Service can provide you training in the field of Process & Operational and Mechanical & Maintenance issues in urea and LDPE plants. In co-operation with experts from the industry BHDT Service offers you a customized approach. In this way your operators and maintenance staff will have a optimum preparation to run your plant safely and realize maximum on stream times.



ADDITIONAL PRODUCTS:



HIGH PRESSURE SYSTEMS

- Tubular reactors, interstage cooler
- Angle valves
- Control valves
- Safety relief valves
- Check valves
- Vessels
- Fittings
- Injection pumps, pressure test stations
- Bolt tensioning devices
- Isometrics, distribution blocks
- High pressure tubes



HIGH PRESSURE PUMPS

- Waterjet cutting applications
- Peroxide Dosing for LDPE plants
- Pressure test units and systems
- Autofrettage purposes



EQUIPMENT FOR FERTILIZER PLANTS

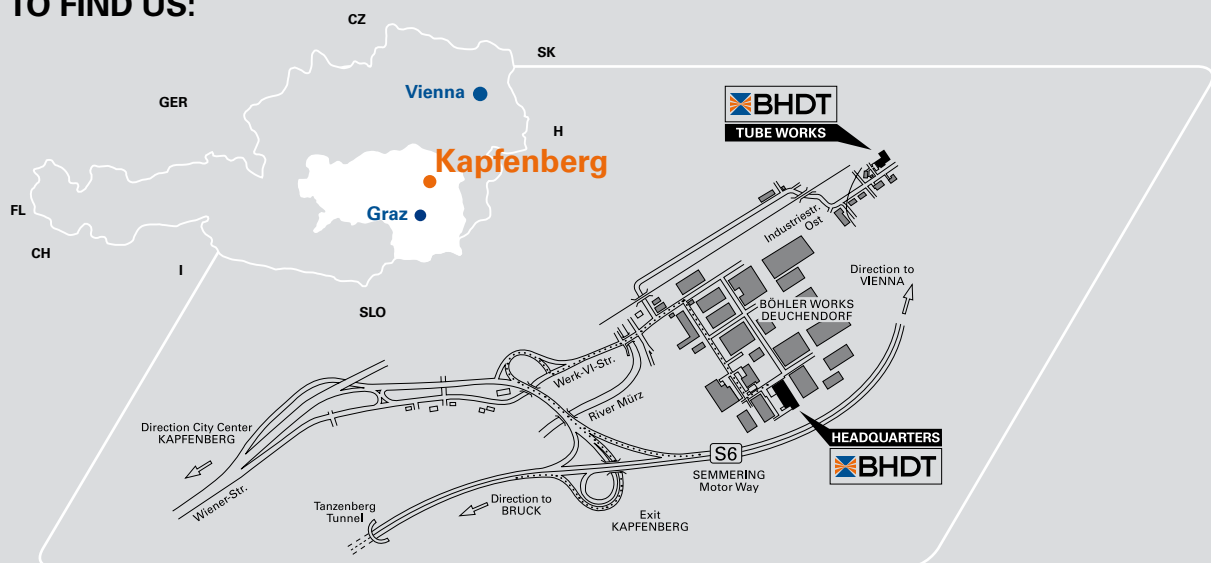
- Angle valves
- Globe valves
- Safety relief valves
- Check valves
- Control valves
- Sampling valves
- Isometrics
- Vessels
- Fittings



OIL AND ENERGY

- Special Flanges
- Isometrics
- Valves

HOW TO FIND US:



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