



**DELTA ENGINEERING**  
For Inspection & Logistic Service

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# Introduction

We have the honor to introduce our Company to your esteemed Company. DELTA is National Company whose mission is to provide Specialized Services to Oil and Gas industry.

DELTA was established with the Objective of providing a Comprehensive Package of Oil Field, NDT inspection services , include but not Limited to, Pressure Gauge Calibration , H2S Sensor Calibration, Lifting accessories Manufacture , Sand Plating & Painting , Cold cutter ,tubular inspection, handling tools inspection, Welding inspection, Pressure testing and Certification, Load test Certification For Cranes, Forklifts, Overhead Cranes and Lifting Gears

2024 We are in better position than ever before to deliver innovative, reliable and Efficient Products and Services that meet our Customers' needs and transform their ability to meet business objectives.

# Tubular Handling Services

## Hydraulic tongs

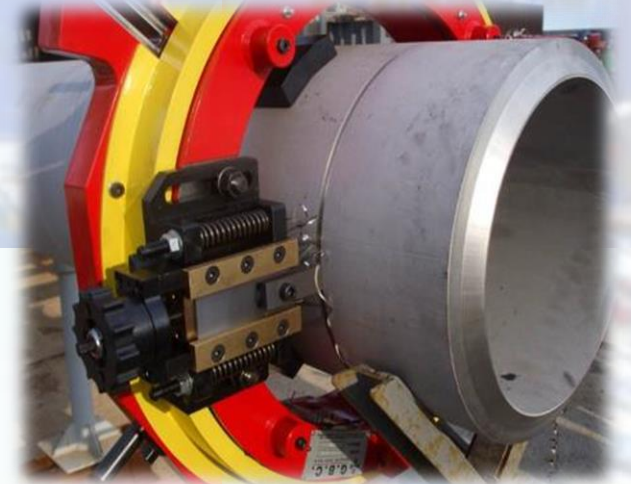
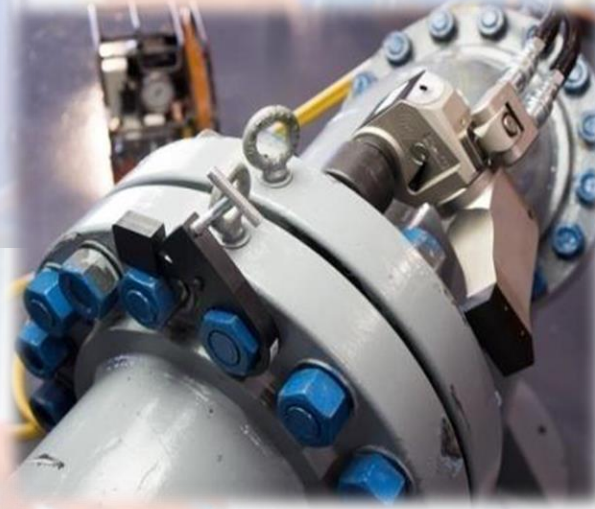
9 Years of experiences in running a full range of Casing and tubing Services, DELTA has Performed tubular Services For the Wells Drilled by the Company in Iraq.

DELTA has all the Equipments and facilities necessary, Such as hydraulic tongs & Power units, to run all type and Sizes Even With higher torque required, as Well as the back-up Equipment to minimize the down time and to Meet the Customer's Casing and tubing needs.

in addition, DELTA have experienced and trained their Crew to use the Equipment Safety, and to Minimize the damage on the tubular While running in the hole

# Casing Cold Cutter

Provides the best sources of tools to handle the customer tubular products DELTA ENGINEERING SERVICES quality of casing cold cutter from 6" to 30"



DELTA Engineering testing Wellhead Maintenance (WHM) Service Forms a Key Part of DELTA Well integrity Capability – From New HP/HT Developments . this includes the routine inspection, repair and Maintenance of Surface Wellheads, as Well as the provision of Pressure testing Services.

DELTA Engineering testing WHM Department can provide three Different types of Maintenance Service including:

- 1-Xmas tree valve greasing and Valve pressure testing
- 2-Annuli valve greasing and Valve pressure testing
- 3-Annulus Integrity Monitoring
- 4-Hanger Seal/Pack-off testing
- 5-Gate valve and actuator repairs
- 6-Pressure Washer.
- 7- High Pressure Test Pump till 30K PSI.
- 8-Pneumatic Grease pumps.
- 9- High Pressure Grease Gun.
- 10- High Pressure Teflon Gun.
- 11- Cold Cutter



# Drill Pipe Maintenance Services

Cleaning/ OD & ID Cleaning of Outside Surface of the Pipe, Wire Brushing



## Cleaning of inside ID With high Water washer and rattling to remove Cement , Scale.



# Calibration Lab

- ① Calibration of Pressure Transducer.
- ② Calibration of Weight Indicators.
- ③ Calibration of Pressure Gauges.
- ④ Calibration of Chart Recorders.
- ⑤ Calibration of Torque Wrenches.
- ⑥ Testing of Safety / Relief Valves
- ⑦ Testing of Pressure Vessels.





# Electricity Calibration Lab

- Calibration of Driller Monitoring System.
- Calibration of SPM / RPM Gauges.
- Calibration of Welding Machines.
- Calibration of Transmitters.
- Calibration of Circuit Breakers.
- Testing of insulation resistance.



# Fire & Gas Calibration Lab

- Calibration of Single / Multi Portable Gas Detectors.
- Calibration / Installation of Fixed Gas Detection System(H<sub>2</sub>S/LEL).
- Testing / Inspection, Refilling of SCBA and its Components.
- Testing of Gas Cylinders and its concentration.
- Testing & Refilling of Fire Extinguishers.



# Inspection & Certification of Lifting Equipment

We have the honor to introduce our Company to your esteemed Company. DELTA is National Company whose mission is to Provide specialized Services to Oil and Gas industry.

DELTA was established in 2015 with the objective of Providing a Comprehensive Package of Oil Field NDT Inspection Services , include but not limited to Load test Certification For Cranes, Forklifts, Overhead Cranes and Lifting Gears

## Rig Survey

DELTA Surveys provide Lifting Equipment Management System (LEMS) With an accurate register and Data Base for all Lifting Equipment Drilling Rigs



## Supply Chain Services:

DELTA is the first Certified Wire Rope Sling Shop in Iraq and continues to be the largest Stockholders, owns ton test Bed ; Diameter Press Machine.

We supply the following items:

- 1- Wire Rope Slings with all sizes, types & capacities.
- 2- All types & sizes of shackles.
- 3- Chain slings & webbing slings.
- 4- Hooks.
- 5- Safety Harness.
- 6- Chain Block, Lever Hoists & Hydraulic Jacks.



# Training Facility

DELTA Training Center has a number of Trainers for Crane Operators & Forklift Operators, Operators after Training Courses they held Licence's to be ready for any Lifting Operation

Lifting team :

Our team consists from qualified Lifting Engineers, Certified with LEEA (Lifting Equipment Engineering association), NSL (North Sea lifting) & ASNT Level II NDT.

Minimum 7 years Experience with in the Lifting Inspection field



# Non-Destructive Test (NDT) Inspection:

We undertake non-destructive testing (NDT) using:

**Magnetic Particle Inspection** – proven and reliable, MPI uses magnetic field patterns to detect surface/near surface flaws in ferrous materials.

**Dye penetrant inspection** – DPI in the fast, low-cost means of detecting surface- extruding flaws such as cracks or porosity over large areas.

**Eddy Current inspection** – used to detect surface exuding defects such as fatigue without the need remove protective coating.

**Ultrasonic Inspection**- a quick and highly precise method for establishing the presence, extent and type of flaws in most materials.

**Design and Fabrication.**

1. SMAW
2. GTAW



## Various other Inspection Services.

1. Visual inspection Test (VT).
2. Magnetic Particle Test (MT).
3. Liquid Penetrant Test (PT).
4. Ultrasonic Test (UT).
5. TOFD.
6. Radiography Test (RT).



## NDT Personal Qualification:

- 1- Qualified Welders.
- 2- NDT Inspector (Level II).
- 3- Certified Welding Inspector (CWI).
- 4- CSWIP 3.1 Welding Inspector (CSWIP).
- 5- Authorized Piping Inspector (API 570).
- 6- NDT Inspectors (Level III).



# Pressure Test Facility.

- Chart Recorder up to 30000 PSI
- Pressure Test Pump up to 26000 PSI-manufactured by Haskell
- Caps and Blind Plugs for testing different materials
- Safety Boxes
- O- rings.



Above facility is used For Pressure testing for

- Riser Lines
- Chock/Kill Lines
- Booster/Conduit Lines
- Coflex Hoses
- Manifold
- X- trees
- Heat Exchangers
- Heaters
- Piping

We have also the facility to test the Flow Line With the Following

- High Filling Pump with filling rate 1000 L/Min
- High Pressure Pump up to 6000 PSI, and filling rate With 20 L/Min
- High Pressure Pump up to 4000 PSI, and filling rate With 10 L/Min



# Welding Inspection

Inspection of Welding will be carried out by the following methods, and according to the different Code requirements (AWS, ASME, ASNT, API, BS and etc....)

- Visual inspection
- Gamma ray inspection
- X- Ray inspection
- ultrasonic inspection (Flaw Detector)
- Magnetic Particle inspection
- Dye Penetrant inspection
- Eddy Current inspection



# Fabrication Work Shop & Suppliers

To accommodate a wide range of Lifting applications, industrial Splicing & Sling can manufacture Lifting Wire rope Slings and Wire rope assemblies to your Project's exact Specifications. from Chain Slings and Wire rope Lifting Slings to Crane Boom Pendants and Wire Mesh Slings, our experts will assist you with your Lifting needs. We also offer Synthetic Nylon and Polyester Webbing Slings and Synthetic round Slings.



# Fabrication Work Shop & Suppliers

DELTA Company is the exclusive agency For Mckat Lifting accessories

with complete range of Mckat Lifting Equipment Stands for your safety as first priority. Our Superior Quality of raw Material is carefully chosen resulting in Lifting accessories that are Consistent and reliable. Each Lifting accessory unit undergoes a Strict Quality Inspection and testing Process as Per International Standards and Norms giving our customers worldwide the best choice to work with in a Safe Environment

Lifting Slings can be customized for a multitude of Lifting, hoisting, towing, anchoring and other applications. Our Fabricators can combine the Specified Chain, Wire rope and Wire Mesh with the Standard, Custom Or Customer-supplied hardware needed to make your Project a success.

also We can Supply different Size & Capacity of Lifting accessories Like Chain Slings, Shackles, Master Links, hooks, Chain Blocks, Bully, Wire Webbing,



# Contact us

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