

- LIFTING EQUIPMENT INSPECTION & TESTING
- TRAINING, ASSESSMENT & COACHING IN WORK PLACE
- SUPPLY & RENTAL OF LIFTING EQUIPMENT
- DRILL PIPE & TUBULAR INSPECTION
- NON-DESTRUCTIVE TESTING
- PLANNING & CONTROL OF LIFTING OPERATIONS
- RIG BUILDING SERVICES
- ROPE ACCESS



ORCA
WE CAN AND WILL



ORCA

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**COMPANY PROFILE
BROCHURE**

LIFTING EQUIPMENT INSPECTION & TESTING



GENERAL LIFTING EQUIPMENT INSPECTION & TESTING CCU INSPECTION

We carry out various LOLER inspection onshore and offshore, on vessels, rigs and workshop. Our inspectors are fully qualified for doing inspections of all types of lifting accessories and portable lifting appliances in accordance with international standards. ORCA inspectors are qualified to carry out inspection and testing of CCU's in accordance with BS EN 12079, DNV 2.7-1, BS EN 10855 and ISO1496. We can carry out these operations on ORCA or client base.



JACKETS AND MODULE WEIGHING

ORCA can offer weighing services including COG calculations using calibrated weighing systems and software we have available.

ORCA can also supply various sizes of hydraulic jacks for weighing operations.



RIG EQUIPMENT INSPECTION AND & TESTING

ORCA can carry out all types of inspection / testing of cranes, winches, padeyes, drilling equipment etc. on offshore installations.



ORCA as a team have a wide range of multi discipline inspectors that are trained and qualified to various international levels to perform their tasks.

We have an ongoing process of internal and external training to ensure constant workforce development of our inspection personnel. This provides clients with the confidence that our inspectors will perform their tasks to the highest international standards.



CRANE, FLT & OTHER MACHINERY INSPECTION & TESTING

Our inspectors are capable of carrying out inspection of mobile, crawler, overhead, pedestal cranes and other lifting machineries in accordance with BS EN, ASME, API.



MOORING & DIVING SYSTEM INSPECTION & TESTING

ORCA can offer inspection/test of mooring chains, wire ropes, anchors, swivels, along with spooling operations and assistance with rig move.

NON-DESTRUCTIVE TESTING



We use quality NDT methods, including Eddy Current, UT, MPI, LPI and EMI (Electromagnetic Inspection)

Our staff can work on site, offshore, vessels or in our premises.
We can handle all shapes / sizes of equipment for NDT.

The premium advantage of our NDT equipment it is mobile and can be utilized in hard to get at areas.



WIRE ROPE NDT

ORCA has specialists with 12 years of experience in wire rope NDT.

This type of inspection is used on offshore crane wires, ropeways, bridge tension wires and other places where deep inspection of wire rope is required.

This inspection helps to find damages on core and other parts of wire rope which can not be visually inspected.



MAGNETIC PARTICLE INSPECTION

Magnetic particle Inspection (MPI) is a non-destructive testing (NDT) process for detecting surface and shallow subsurface discontinuities in ferromagnetic materials such as iron, nickel, cobalt and some of their alloys.



DYE PENETRANT INSPECTION

Dye penetrant inspection, also called liquid penetrate inspection or penetrant testing, is a widely applied and low-cost inspection method used to check surface-breaking defects in all non-porous materials.



EDDY-CURRENT / ULTRASONIC TESTING

Ultrasonic inspection (UT) is a non-destructive test method that utilizes sound waves to detect cracks and defects in parts and materials. It can also be used to determine a material's thickness, such as measuring the wall thickness of a pipe.

Eddy Current testing is an electromagnetic technique used on conductive materials to detect a number of conditions, including sub-surface defects, variations in material structure, thickness and corrosion.

SUPPLY & RENTAL OF LIFTING EQUIPMENT



ORCA can supply the following:

Manually operated lifting appliances
Various wire rope products
Various lifting accessories
Mooring and towing equipment

- Chain blocks
- Lever hoists
- Lifting chains
- Accessories
- Eye bolts
- Swivel hoist rings
- Load binders
- Ratchet straps



We are specialized in supply and rental of the lifting, rigging and mooring equipment of many world known companies like:

- Van Beest / Green Pin
- William Hackett
- Resinex Trading srl
- Red Rooster
- Straightpoint
- Globestock
- GN Rope
- Harris Walton
- Delta Plus

Our Sales / Business Development department are a team of professionals with 15 years' experience in the Oil & Gas industry. They are focused on providing a high quality technical service backed up with an on time delivery.

Our team are able to understand in detail our clients technical requirements and due to their qualifications and certification in the Heavy Lifting industry they are able to provide client specific technical advice on products and equipment.



- Plate clamps
- Round slings
- Webbing slings
- Shackles
- Wire rope slings
- Snatch blocks
- Hook blocks
- Master links & hooks
- Close & open spelter sockets
- Beam trolleys & beam clamps
- Wire lock resin
- Wire rope pullers
- G Stop Fall Arrest Equipment
- PP, Dyneema & Nylon ropes



Our rental fleet consists of but not limited to wide range of:

- Load cells
- Water bags
- Fenders
- Spooling machines
- Winches
- Shackles
- TIRFORs
- Rigging lofts

DRILL PIPE & TUBULAR INSPECTION



TUBULAR INSPECTION

ORCA can provide full range of pipe inspection on sizes ranging from 2-3/8" to 6.5/8" while following customer's specifications and edition of DS-1 or API guidelines. Drill Pipe Inspection services includes:

- Visual body and thread inspection
- UT Thickness Gauging
- Thread gauging
- End area inspections
- Electromagnetic inspection (EMI)
- Ultrasonic inspection on end area
- Wet and dry Magnetic Particle



BHA TOOLS INSPECTION

Bottom Hole Assembly (BHA) inspections are carried out as per latest editions of API and DS-1 93-50 guidelines.

BHA inspection services include:

- Visual inspections
- Thread gauging
- Wet and dry Magnetic Particle Inspection
- Dimensional inspection
- Option service of refacing
- Refacing



DRILL-PIPE / BHA INSPECTION PROJECTS UNDERTAKEN

- CDC 4" HA drill pipe inspection
- CDC 5" Istiglal drill pipe inspection
- Maersk 5 7/8" drill pipe inspection
- CDC – DDGG 3 1/2" drill pipe inspection
- CDC – DDGG 5" drill pipe inspection
- Maersk – landing string drill pipe inspection
- Maersk - 3 1/2" drill pipe inspection
- CDC – Istiglal BHA inspection
- CDC – Long term preservation

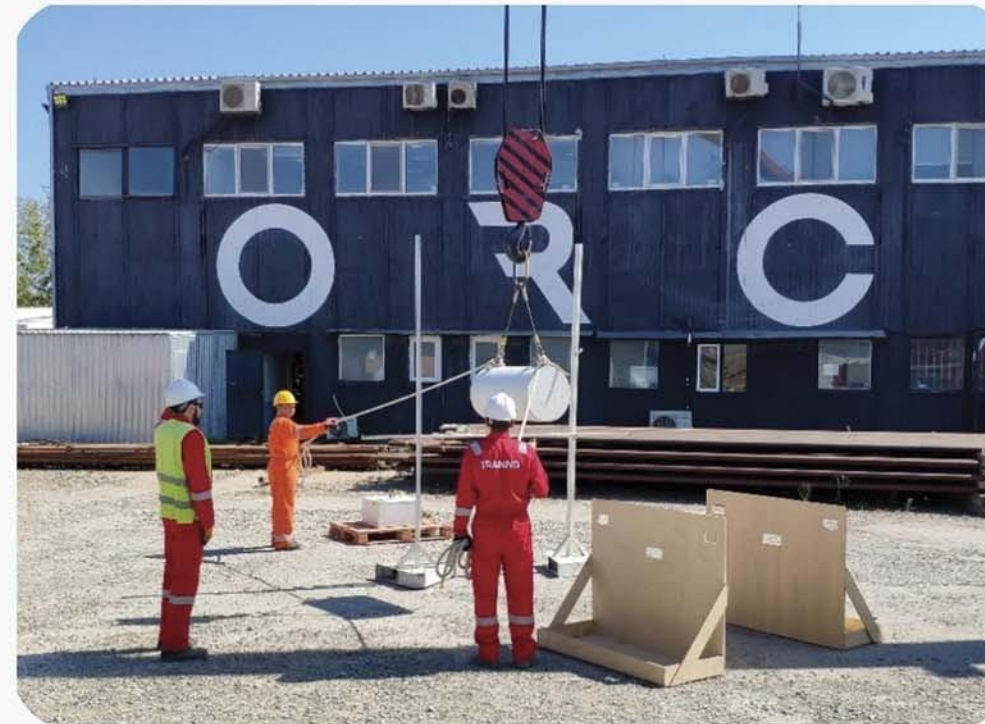


CASING / TUBING INSPECTION

Inspection of used casing or tubing is carried out in accordance with API Spec 5CT and the general scope shall include:

- OD Blasting
- ID Cleaning
- Spot wall thickness measurements
- EMI on body (Tubing)
- Visual thread inspection
- Full length drifting
- Black light inspections

TRAINING, ASSESSMENT & COACHING IN WORK PLACE



LIFTING OPERATIONS TRAINING MORE THAN 60 OFF-THE-SHELF TRAINING COURSES

- "LEEA Offshore Banksman & Slinger"
- ECITB ICE Levels 1,2,3 & 4
- Appointed Person – Moving loads / Crane operations
- Onshore Rigger Levels 1,2,3 & 4
- Offshore Rigger Levels 1,2,3 & 4
- Rigging Supervisor / Superintendent Level 1 & 2
- Rigging loft management
- LOLER and PUWER

Our team of professional trainers are specialists in Oil and Gas industry with more than 20 years of experience in this field. They have trained, assessed and coached over 11.000 employees for 4 major projects/

We provide training in our own and also clients' facilities in different countries like Turkey, Kazakhstan, Georgia, Russia, UAE, Uzbekistan and UAE

Our professional training personnel can also develop bespoke training programs to meet your organizational requirements.



HEALTH & SAFETY TRAINING MORE THAN 50 OFF-THE-SHELF TRAINING COURSES

- Basic, Advanced & Supervisor Levels
- ECITB approved Confined Space Courses
- Risk Assessment
- First Aid including CPR and AED
- Excavation safety
- Scaffolding safety
- Safe Working at Height
- Manual Handling / COSHH Assessors



MACHINE OPERATORS TRAINING MORE THAN 20 OFF-THE-SHELF TRAINING COURSES

- "Offshore Crane Operator Stages 1,2 & 3"
- FLT, Reach truck, Side Loader Operator
- Mobile and Crawler Crane Operator
- MEWP & Scissors Lift Operator

ROPE ACCESS



We are an inspection company who utilizes rope access service where and when required.

ORCA provides rope access services, where this method provides the most commercially and technically access solution.

All of our personal are IRATA qualified and have multiple NDT qualifications.



DERRICK INSPECTIONS

- 5 Yearly Surveys
- Derrick equipment removal / installation
- API Derrick Inspection

Our inspectors are capable of performing Derrick and Drilling Equipment surveys in accordance to the latest standard requirements.



EQUIPMENT MAINTENANCE SERVICES AT HEIGHTS

- Lighting and electrical removals
- Disconnect fender arrangement
- Servicing / greasing crane sheaves



NDT INSPECTION

- NDT leg nodes
- Eddy current crane welds
- MPI
- LPI
- UTM piping



OFFHOSRE INSTALLATIONS INSPECTION

- LOLER inspection
- Drop surveys
- Critical load paths

RIG BUILDING SERVICES



Removal and installation of Derrick equipment



DERRICK RIG BUILDING SERVICES

- Assembly, erection, installation and out-fitting of newbuild and refurbished structures
- Maintenance, repairs and recertification
- Removal or installation of all types of Derrick and Mast equipment
- Derrick bolt services
- Derrick and Mast vertical alignment to well center



ORCA's rig building team also capable of performing regular DROPS surveys as well as DROPS sweeps on drilling rigs and vessels.

ORCA is the member of International DROPS organization.



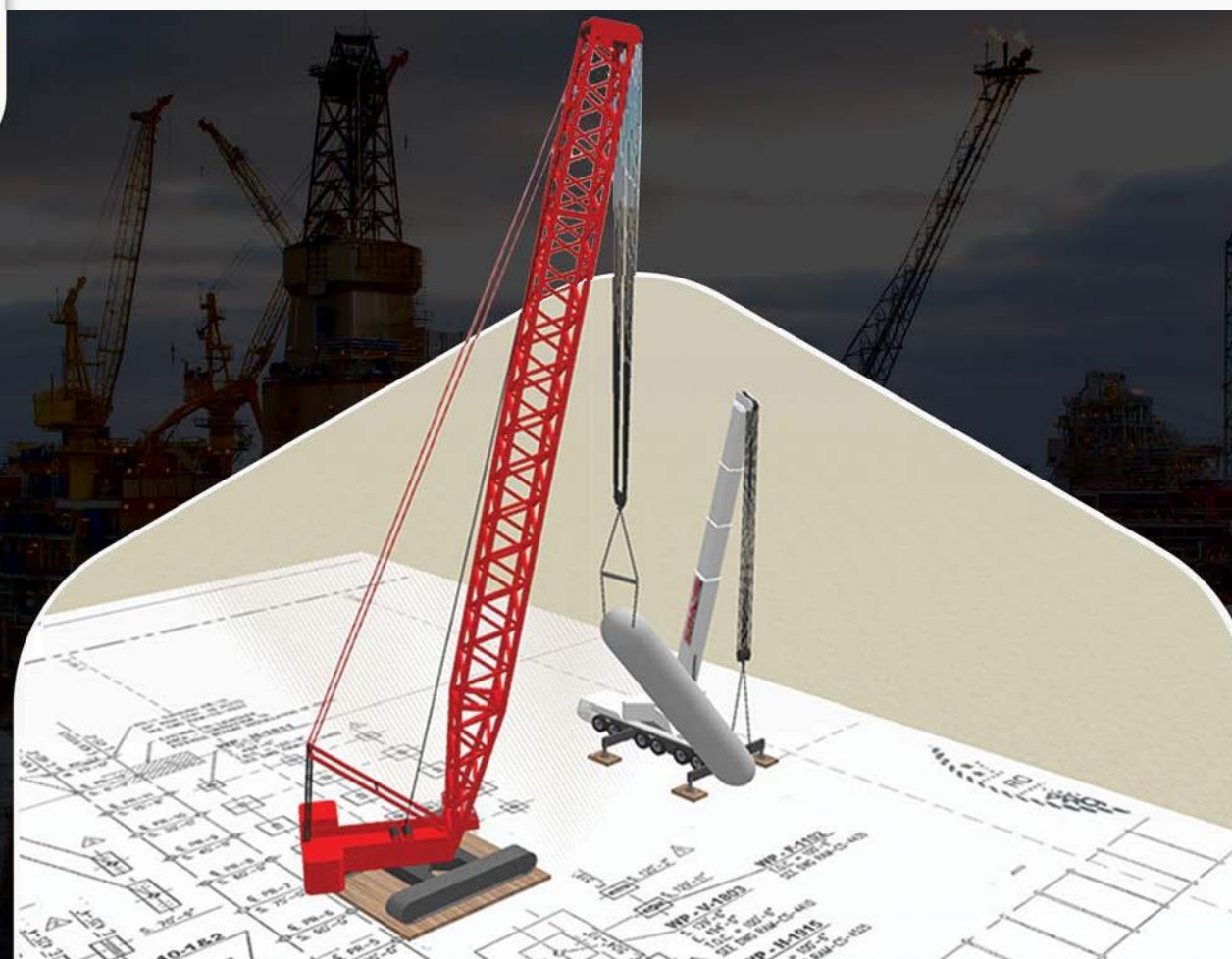
Our multi-skilled team can be utilized for any kind of task while onboard.

All our Rope Access team members carrying valid NDT certificates for UT, EC, MPI, LPI apart of this all team members are fully trained Lifting inspectors with years of experience in lifting equipment and appliances inspection and testing, both Onshore and Offshore.

PLANNING & CONTROL OF LIFTING OPERATIONS



Our lifting operations specialists with 10-20 years of experience in OIL & Gas industry and internationally recognized qualifications have played a significant role in major projects in Azerbaijan.



Besides training and assessment of our clients' lifting personnel ORCA also provides competent persons for preparation of Safe Systems of Work including but not limited to routine lifting plans for heavy lifts with 2 or more cranes and above 100 Tones, risk assessment, drawings and other supplementary documents where necessary.

Our lifting specialists also participate in supervision and control of lifting operations on clients' facilities upon request.

OUR KEY CLIENTS

