



QUALITECH

INTRODUCTION



About us

Qualitech is a multinational inspection, repair and maintenance company that operates in the oil, gas and energy sector with efficiency, sustainability and integrity.

The Company operates in an innovative way in the national and worldwide market, applying conventional techniques and industrial mountaineering, always striving for excellence and reliability in quality, safety, environment and health.

Mission

To be the strategic partner with efficient and quality solutions, to ensure the safety and quality of the oil, gas and energy operations.

Vision

Become a global reference in Inspection, Repair and Maintenance solutions, with excellence in execution, integrity and sustainability.

Values

Our beliefs and attitudes are based on our five values, which define our DNA and our work with customers, partners and society.

Ethical Conduct

Based on the knowledge of our profile and risks, we signed the Values and the Code of Conduct based on respect for the applicable laws and regulations of the countries where we operate and constitutes the fundamental principle of **QUALITECH**. The Company's decisions must include justice, legality and good corporate governance and accounting practices.

The standards of ethics and conduct represent the expected behavior of all **QUALITECH** Employees, gathered in the Values and Code of Conduct below:



SECTORS

Qualitech provides inspection, repair and maintenance services with quality and excellence at a reduced cost, due execution speed using the rope access technique, whilst striving to guarantee the safety and continuity of Oil, Gas and Energy operations.

SECTORS

- DRILLING
- FPSO
- ONSHORE
- SURF
- ENERGY

- Derrick Integrity
- 5 Yearly Drilling Equipment Overhaul / Replacement • General Maintenance using Rope Access
- Annual Derrick and Bolt Inspection (API-4G)
- Annual DROPS Inspection Campaign
- Dolly Track Inspection Survey and Alignment
- Engineering and Project Management
- Critical Rigging Projects
- Decommissioning Projects
- Crane Maintenance, Upgrade and Modification
- Crane inspection, Load Test and Certification (API-2D)
- Fall Arrest System – Supply, Inspection and Installation

- NDT Inspections
- Lifting Gear Inspection (LOLER / NBR's)
- Drilling Handling Tools (API-8B)
- SPS Hull Gauging inspection – Tank Inspection
- Piping Thickness Measurement Inspection – HP / LP lines
- Lifesaving System Inspection, Load Test and Certification • Brazilian Offshore Regulations Adequacy (Nr's)
- BHA / Tubular Inspection (API-7G / DS-1)
- Helideck Annual Inspection, Repair and Load Test • Borescope Inspection
- Drone Inspection
- Metallic Structures Construction

DRILLING



ENERGY



FPSO



ONSHORE



SURF



SERVICES

5 Yearly Drilling Equipment Overhaul

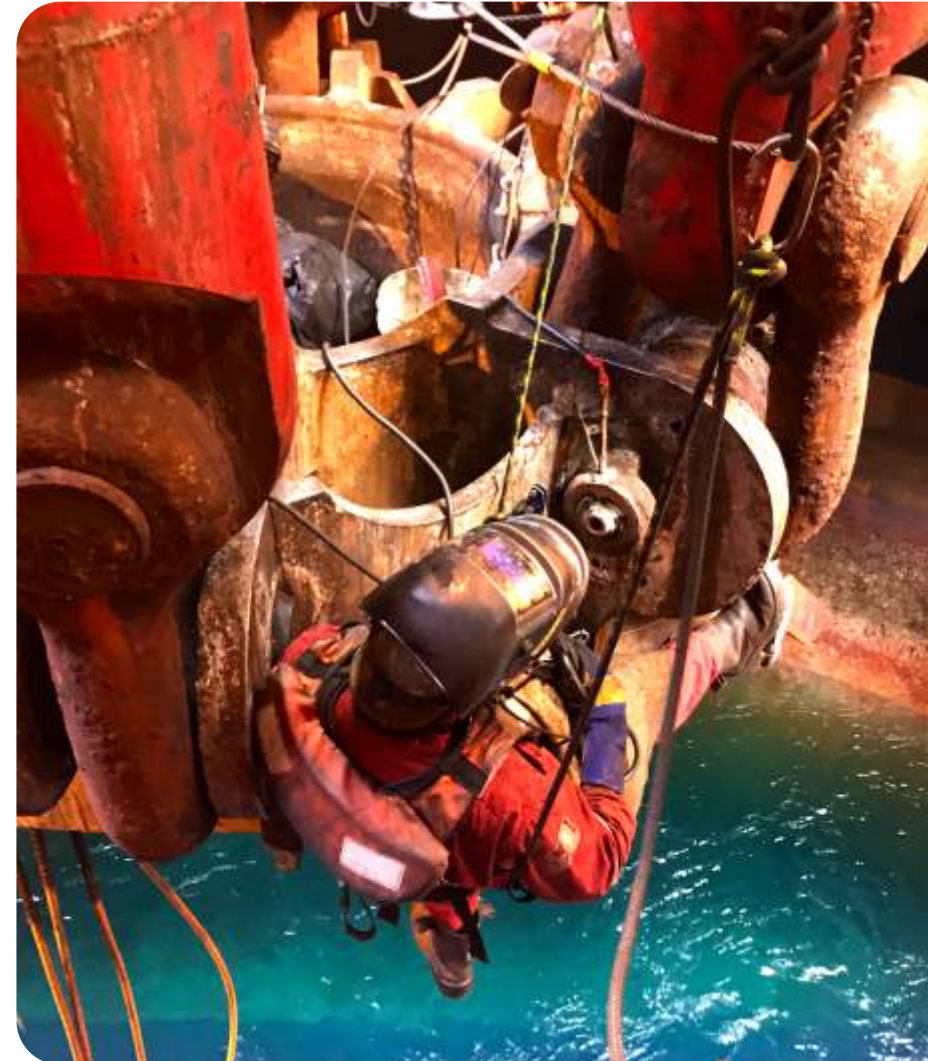
One of our main specialties is the planning and execution of the 5 yearly certification of the derrick drilling equipment, which is done according to the manufacturer's specifications and as per API recommendations. We have multidisciplined, rope access rig building teams provided with a thorough knowledge and proven experience in this critical scope, carried out in derricks of different generations and OEM's. For each equipment removal / installation, we perform detailed lifting plans, preliminary analysis of risk assessment and project scope management/accomplishment until its completion. Find below a list of the pieces of equipment usually included, but not limited to, this scope;

- Top Drive, DDM and Gear Box
- Dolly Removal / Assembly
- Travelling Block
- Removal and Installation of the drill line (De-string / String up)
- DSC and CMC Cylinder replacement
- Crown Block, Cluster Assemblies and Housing replacement
- Fast and Dead Line Rocker Arms and Sheaves
- Active heave cylinder replacement offshore, (without crane assistance)
- DAT cylinder replacement and seal changes
- Pipe Racking System

General Maintenance Using Rope Access

We offer maintenance services with quality and excellence at a reduced cost, within a shorter time by using rope access techniques, which provides support to the operational needs of our customers. We are counting on the hands of specialized labor in maintenance, including:

- Weld
- Pipe / Plat Fit
- Electrical
- Painting
- Rigging
- Cleaning Tank and Hydro blasting



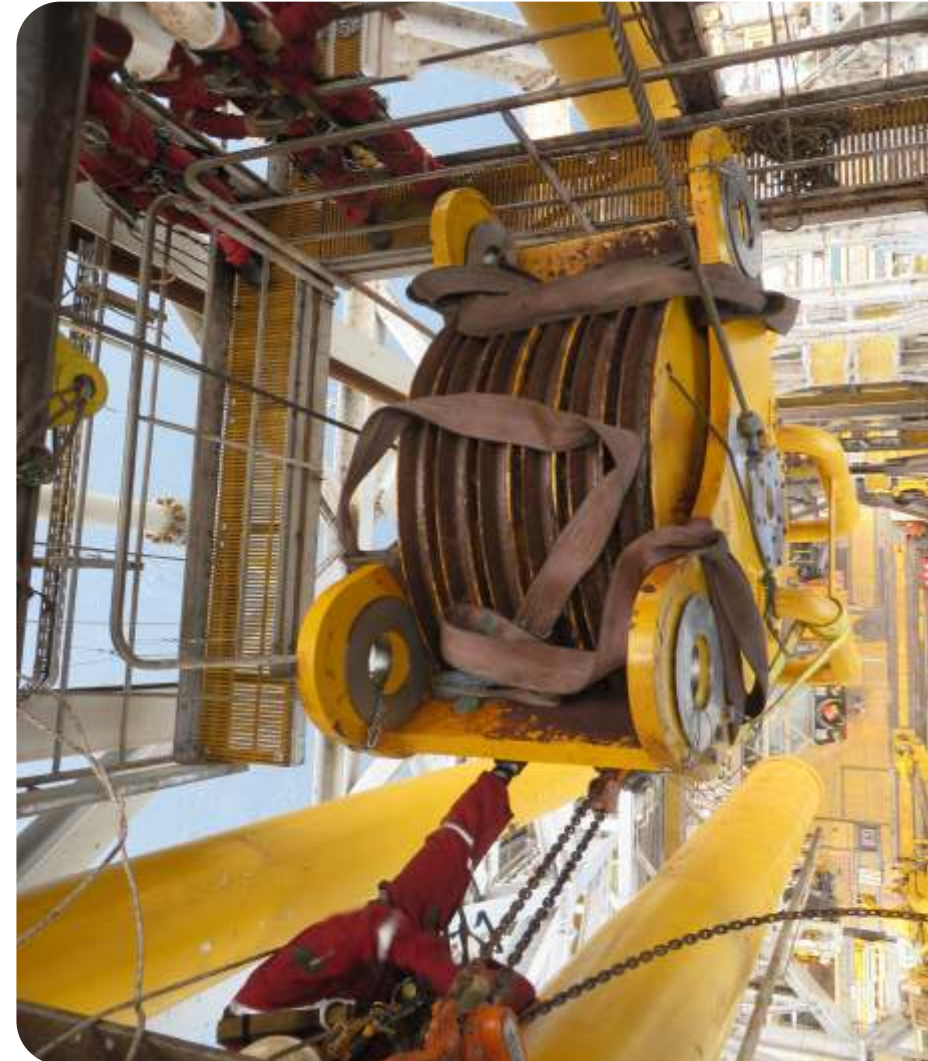
SERVICES

Engineering and Project Management

A sound business strategy is essential to success. Without disciplined execution, the same strategy renders little value. Qualitech supply engineering solutions and project management team that helps you succeed where other less experienced companies often fail – in the implementation and execution. We advise on and execute your most complex initiatives so that you realize your desired results, minimizing costs and maximizing results. Meet your goals and sustain them– efficiently, cost-effectively, and always ahead of schedule.

Critical Rigging Projects

Qualitech has already performed several complex rigging projects on a variety of installation. It holds an enhanced management of operational procedures, risk assessments and lift plans in addition to a specialized team and techniques.



SERVICES

API Derrick And Bolt Inspection (API-4G)

Masts and derricks support enormous loads when drilling and running casing. API-4G recommended practice for mast and derrick inspections is a critical element to avoiding potentially non-productive time loss, or even serious incidents and catastrophic events during drilling operations.

Our Derrick Inspectors are IRATA-qualified rope access technicians with a background in maintenance, and able to access normally non accessible areas for routine inspection companies, and we reduce defaults, by carrying out as many repairs as allowed by the time within the survey period. The bolt inspection consists in 20% of bolt torque check, and 100% of Visual Inspection.

Dolly Track Inspection And Alignment

Qualitech provides a fully experienced in-house surveyor, and multi skilled labor in the surveying and alignment using Theodolite, or replacement of the dolly track / guide rails, due to damage, wear or any other problem highlighted within drilling operations on the rig, by following all OEM tolerances and the equipment manufacturer's specifications, according to API 4G recommendations. To attend on the Alignment Check Project, our multi-skill team is sent on board together with the necessary pieces of equipment, they are competent to perform the Dolly alignment at the same time we inspection is done, in case there is any discrepancy found during the survey.

Drops Inspection Campaign

QUALITECH has extensive experience with this type of inspection, we have been using DROPS Awareness and Prevention Format and the DROPS Inspection Guide, for several years within the oil and gas industry, aiming at avoiding potential accidents. We are qualified to conduct dropped object surveys for all types of structures and areas, and the report will consist in an inventory of equipment within the structure, an assessment of its integrity and the recommended secondary retention method, including the inspection frequency for each item.

The surveys consider all items and attachments to the structure with regard to primary and secondary retention devices, to ensure they are secured or and fit for purpose condition. The report will also assess any corrosion to the structure, fixtures and equipment. Report on severity, location, and all areas of concern, will be identified and detailed on the inspection report with individual photos and recommendations.



SERVICES

Fall Arrest Equipment Inspection And Installation

As a specialist for work at a height, we assure pro-active measures to promote the supply, inspect, repair and maintenance of fall arrest systems, in accordance with the federal and local laws. The integrity of the equipment of free fall protection will minimize the risk of possible accidents caused by defective or inadequate and unsafe installation. This inspection proves that safety in the workplace is a priority for your organization.

Crane Inspection, Maintenance and Load Test (API-2D)

Qualitech provides Annual and 5 Yearly Inspection, Load Test and Certification in all Crane designs and lifting equipment upon request per relevant OSHA, ASME or API 2D recommendation. Qualitech has the capability to undertake crane upgrades and maintenance by following the Standard.

Our multi-disciplined lifting equipment engineers and mechanical technicians are extensively trained on classification society rules, API standards, OEM manuals and they hold extensive experience in this area. We inspect and repair all parts of the crane including electric, hydraulic and mechanical systems, through visual inspection and functional tests, from pedestal and deck connections, to hydraulic repairs and load testing.

Lifesaving System Inspection And Load Test

Qualitech has already performed several complex rigging projects on a variety of installation. It holds an enhanced management of operational procedures, risk assessments and lift plans in addition to a specialized team and techniques.

The generation of a step-by-step specific lift plan for each piece of equipment, is in our mind as a vital requirement in the understanding of the removal / installation procedure within any projects. Qualitech has a dedicated department for the sole purpose of making out these plans.

The plans are made up prior to the project start date, either after a survey to determine the steps, or prior to the project knowledge of a similar nature, and then forwarded to the client along with a specific risk analysis for that plan, for review and comments.



SERVICES

BHA / Tubular Inspection (API-7G / DS-1) / BHA

Qualitech thoroughly inspects all Bottom Hole Assemblies with highest quality in accordance API-RP-7G and DS-1 standards. We can provide a Mobile Refacing kit, so we can do the seal repair onsite, avoiding BKA disembarking, saving logistics and extra cost. Our certified inspectors comply with ASNT procedures and standards, offering inspection services for drill stem bottom hole assemblies including;

- Heavy Weight Drill Pipe
- Drill Collars
- Subs
- Stabilizers
- Down Hole Assembly - BHA
- Special tools, MWD, Mud motors/turbines, fishing tools, etc.

Lifting Gear Inspection (LOLER / NBR'S)

QUALITECH offers a wide variety of inspection services for lifting equipment in accordance with LOLER SI 2307 and local standards, covering all loosen and stationary lifting equipment as Slings, shackles, Pad eyes, sheaves and snatch blocks, chains, winches, lifeboats, cranes and others, including load test when required.

We count with a sophisticated online inventory and reporting system customized to our business and for our clients, the database is a great tool to track each individual Rigging equipment certificate, and to deliver inspections reports with excellence, respecting the deadlines established within the contracts.

Drilling Handling Tools Inspection (API-8B)

QUALITECH has extensive experience with this inspection scope, all inspections services are guided by API-RP-8B (Cat. I, II, III and IV). This International Standard establishes requirements for inspection, maintenance, repair on items of hoisting equipment used in drilling and production operations, in order to maintain the safety operation of the equipment.



SERVICES

SPS Hull Gauging Inspection – Tank Inspection

As an ABS and DNV GL Approved Inspection Company, Qualitech can provide hull and structural inspections for offshore rigs, installations and vessels. Our services give clients the peace of mind that the inspection will be thorough and correctly reported. Our inspectors are experienced, professional and highly trained to be proficient in current techniques and standards. Rig Surveys carry out full Special Periodic Surveys to DNV GL and ABS requirements, utilizing our range of NDT disciplines in conjunction with our rope access qualified inspectors. We complete all in-service inspection program requirements in a safe, fast and efficient method.

Piping Thickness Measurement Inspection – LP / HP LINES

Whether Low Pressure or High-Pressure Pipework, Pressure Vessels or Hull tanks/voids, a detailed Ultrasonic gauging is required to check for evident corrosion or wash. Thickness Gauging is used to measure internal corrosion, externally. This allows corrosion checks on equipment such as pressure cylinders, tanks and pipework, and many more. This technique is suitable for checking equipment without having to open or enter the area to be inspected. This can be done without removing the external coating which is very convenient. The measurements are described at a report in which the thicknesses and their locations around the hull are recorded, including any findings and recommendations.

NDT Inspections

Qualitech provides the most used nondestructive testing (NDT) inspection for Oil and Gas and gas industries. The company is specialized on the application of the techniques below to witness the equipment integrity in order to ensure its safe to use during operations.

- Magnetic Particle Testing
- Dye Pen Testing
- Wall Thickness Inspection
- Eddy Current Inspection
- Ultrasonic Flaw Detection
- ACFM Inspection
- Visual Inspection



SERVICES

Brazilian Offshore Regulations Adequacy (NR'S)

With the increase of the Oil and Gas Brazilian Market, and the complexity of the Brazilian Offshore Regulations, with extensive experience to support all type of vessels in the arrival including drilling rigs, FPSO and supply vessels, Qualitech ensures that your equipment will be in full compliance with the major Brazilian Local regulations standards when operating in Brazilian waters.

Based in our experience and full understanding of the Brazilian regulation, we have a full understanding of the auditor's interpretation for the requirements, which ensures that corrective actions are carried out to prevent penalties due to non-compliances, which leads to unexpected shutdown or delays in getting on contract. We became specialist in providing full support on adequacy, consultancy and site inspections for all the applicable relevant regulations.

Helideck Inspection, Repair and Load Test (NORMAM 27)

Qualitech carries out inspections, repairs and certifies helideck nets and burics for offshore rigs and vessels operating in Brazilian Jurisdictional Waters according to Normam 27 or any other standard required. We inspect, repair and certify helidecks for our clients globally to ensure the safe landing and takeoff for helicopters.

If during the inspection we identify that the helideck needs any additional repair, from netting replacement to structural repair, we can provide competent personnel or certified welder. On the conclusion of the repairs, Qualitech will perform all relevant NDT, Load Test and Drop Test.

Borescope Inspection

The most advanced remote visual inspection and borescope inspection service technology is combined with experts and years of hands on experience to deliver comprehensive, professional on-site inspections. We provide immediate raw video and still image documentation as well as a detailed follow-up report of the borescope inspection conducted at our customer's facilities. Our expertise and equipment enable us to inspect most areas in your plant by using the borescope. Our inspectors use state of the art borescopes, video scopes, video probes, pan tilt zoom cameras, pipe push cameras and inspection crawlers to inspect various lengths. Access to specialized equipment enables inspections of even smaller diameters and up to high distances.



CAMS AND ACCREDITATIONS

CAMS – Cloud Asset Management System

To achieve our commitment to deliver inspections and project reports with excellence and respecting the deadlines, we developed a new system called CAMS– Cloud Asset Management System.

CAMS is an Online Platform with innovative solution to manage and inspect the assets, it provides a sophisticated inventory and reporting system customized to our business and client needs. It works with interaction in multiple languages (English, Portuguese and Spanish). Multilingual Systems (MLS) is powerful tool for audit attendance and users.

The system is synchronised to our cloud platform enabling our onshore management team to monitor the inspections in real time. Reports can be released without delay and downloaded any time promoting transparency and agility to our projects.



Company Accreditations

We invested heavily in the development of Integrated Management System (Quality, Health, Safety, Environment) and all operations activities are carried out in accordance and accredited to BV on the ISO 9001, ISO 14001 & OHSAS 18001, by ABS and DNV-GL to perform NDT Class Inspection, as well as being an active certified member of IRATA, LEEA, DROPS, ABENDI, IADC and PETROBRAS CRC.



GLOBAL PRESENCE

Through our office's strategic locations, we can provide our services in most offshore environments Worldwide.

We have proven track record for safe and efficient operations offshore in Brazil, USA, Mexico, Colombia, Curaçao, Trinidad and Tobago, Suriname, Portugal, Netherland, UK, Spain (LasPalmas and Tenerife), South Africa, Angola, Nigeria, Ivory Coast, Namibia and India.



RIO DE JANEIRO - BRASIL

Av. das Américas, 500, Bloco 14, Sala 208, Barra da Tijuca, Rio De Janeiro, BRASIL.
CEP: 22640-100
+55 21 3437-4645



MAGÉ - BRASIL

(OPERATIONAL FACILITY)

Rua Acre, Nº 32, Lote 01 e 02, Quadra 50, Piabetá, Magé, RJ, Brasil.
CEP: 25935-670
+55 21 3655-4622



PORTUGAL

Rua Abranches Ferrão, 23 3º Andar, Escritório 3g, Laranjeiras, São Domingos de Benfica, Lisboa, Portugal.
C.P: 23 1600-995
+354 9650-26467



MÉXICO

Calle 55 Sin Numero, Colonia San Carlos, Ciudad Del Carmen, Campeche, México.
C.P: 24116
+52 (938) 286-5291

