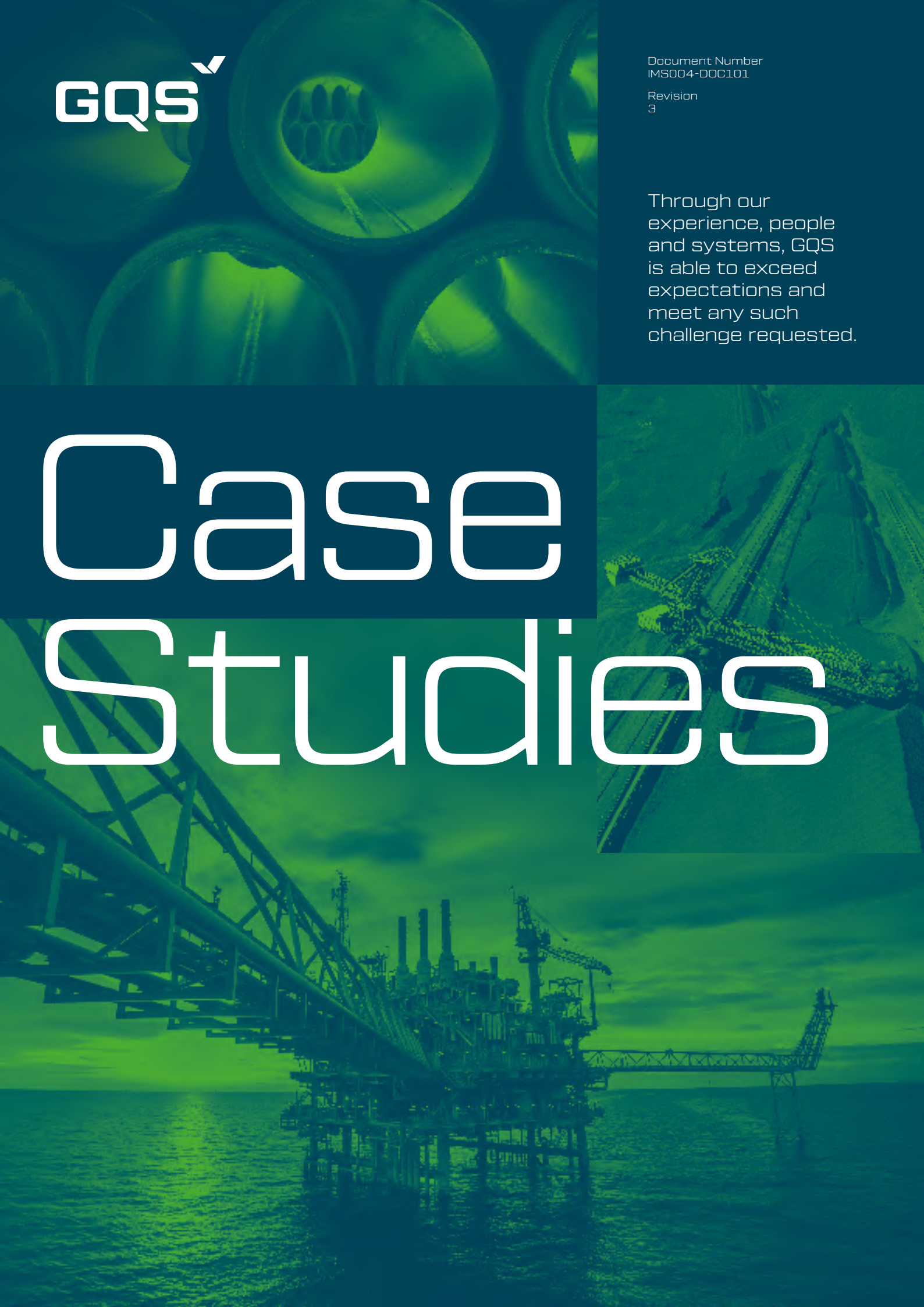

GQS

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IMS004-DOC101

Revision
3

Through our experience, people and systems, GQS is able to exceed expectations and meet any such challenge requested.

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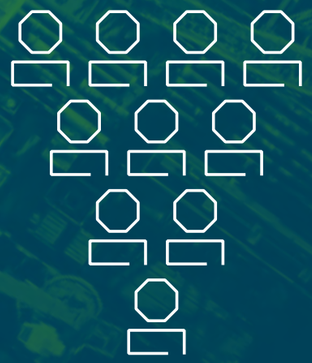
About Us

Leading provider of Quality Services to the Energy Industry and other related sectors throughout the world.

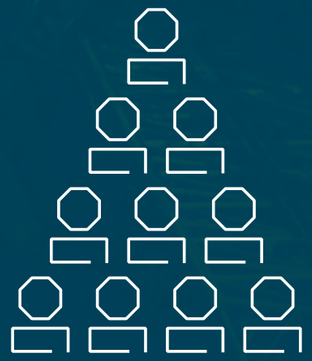
GQS stands for Global Quality Services, which we re-branded to from Global SCS in April 2019, as we felt this better met our global market and our clients' expectations.

We are, however, very proud to still be associated with and forever connected to our previous and very successful brand, Global SCS. With offices strategically placed in Asia, Australasia, West Africa, Europe, and North America, we have the skills and resources to meet all projects, both large and small.

Servant Leadership Structure



Typical Leadership Structure



envoy

GQS is part of investment group Envoy & Partners based in the UK. Envoy & Partners support businesses to grow and reach the next level.

Skilled, experienced and highly motivated professionals.

Our team here at GQS are committed to working closely with all of our clients to ensure we have a detailed understanding of their requirements. This enables us to deliver cost-effective Second and Third Party Inspection Services as well as Technical Audits, Quality Management Consultancy, Expediting, Welding Services including Welding Supervision, and Procedure Specification, Technical Manpower and Pipelay (Field Joint Coating and Double Jointing QAQC Support).

GQS believes in the Servant Leadership movement as the cornerstone to winning in business.

We draw our organisation charts upside down to reflect our belief that leadership's role is to serve the business and to devolve power as close to the coal face as possible. By implementing this model, we multiply the organisation's leadership capability, increase human potential, and serve our customers better than our competition. We believe in facilitating excellent relationships between end-users and suppliers. From the positive feedback we receive, we know our clients highly value this critical philosophy. We thrive on the professional satisfaction of meeting the ever-changing challenges of the international energy industry and other sectors in which we operate.

GQS Milestones

2005

UK Office Incorporated

2008

FLOW (IGRIS) Implemented

2010

Norway Office Incorporated

2011

Australia West Office (HQ) Incorporated

2017

Malaysia Office Incorporated and Australia West Office achieves ISO 17020 from NATA

2019

Acquisition – Australia East (Traralgon) Office Incorporated

2020

Senegal Office Incorporated

2021

India Office Incorporated and Expansion – Australia East (Melbourne) Office Incorporated

2022

China Office Incorporated and Acquisition – Singapore Office Incorporated

2023

Taiwan Office Incorporated

2024

Vietnam Office Incorporated and Australia East Office achieves ISO 17020 from NATA

2025

Acquisition - Killick (USA, Canada, and Italy) Offices Incorporated

Case Study
01

Oil & Gas

Sangomar Phase 1 Development

Client
Woodside Energy (Senegal) B.V.

Location
Offshore Dakar, Senegal

Key Activity Locations
Senegal, Malaysia, Spain, Norway, UK, Australia, USA, Indonesia, Germany, Singapore, Italy & China.

Project Description

The Sangomar field containing oil and gas is located 100 kilometers south of Dakar and will be Senegal's first offshore oil development. First oil production is targeted in early 2023.

The phased development includes installing a stand-alone floating production storage and offloading (FPSO) facility and subsea infrastructure that is designed to allow subsequent development phases. These options include potential gas export to Senegal and future subsea tie-backs to other fields.

Scope of Services

GQS has been awarded the full Inspection scope of all Drilling & Completions, Subsea & Pipelines, SURF, SPS, Wellheads, FPSO, by Woodside Energy (Senegal) exclusively. The whole project is managed through GQS's bespoke management system with client log in, cost controls, controlled inspector competencies, and customised Dashboard Reporting.

Scope of services includes:

- Provision of Contractor Personnel to perform and supervise the work at Company Other Contractor Worksites both onshore and offshore, including administrative support.
- Operation and management of a network of worldwide Site QAQC Inspectors with sufficient capacity to support the Contract.
- Provision of transportation for Contractor Personnel to/from Company Other Contractor Worksites and to and from the Heliport.
- Provision of technical support to the Company when required as well as Attendance of Company's meetings
- Provision to monitor overall Company Other Contractor QAQC performance
- Provide three full-time Senior QAQC Coordinators to manage project packages.

Scarborough Development Project

Client
Woodside Energy Limited

Location
Scarborough, Western Australia

Key Activity Locations
Australia, Indonesia, Japan, Malaysia, Italy, China, France

Project Description

The Scarborough field is located 375km off the coast of Western Australia, within the Carnarvon Basin. Processed gas from the platform will be transported through a 430km-long carbon steel pipeline to Pluto Train 2, which will be the second LNG train at the existing Pluto LNG onshore facility. First LNG is targeted for 2026.

Scope of Services

Provision of Contractor Personnel to perform and supervise the work at Company's Other Contractor worksites both onshore and offshore, including administrative support.

Operation and management of a network of worldwide Site QAQC Inspectors with sufficient capacity to support the Contract across Subsea, Drilling & Completions and FPSO scopes.

Provision of technical support to the Company when required as well as Attendance of Company's meetings

Provision to monitor overall Company Other Contractor QAQC performance.

Provide three full-time Senior QAQC Coordinators to manage project packages.

Tyra Gas Field Development

Client
McDermott Asia Pacific

Location
North Sea, Demark

Key Activity Locations
Belgium, Italy, United Kingdom, France, Germany, Sweden, Demark, Norway, Romania, Singapore, India, UAE, Indonesia, Malaysia, Vietnam & the USA.

Project Description

Tyra Redevelopment project located in the Danish waters of the North Sea, approximately 225km off Esbjerg, Denmark.

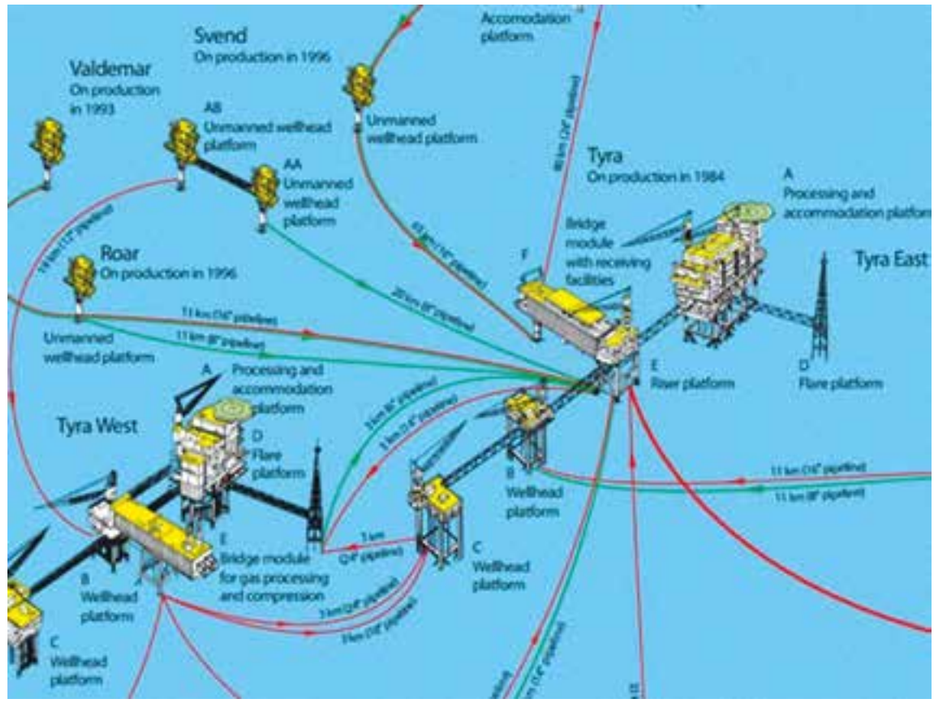
The gas field redevelopment by Danish Underground Consortium (DUC), which comprises the operator Total Danmark (43.2%), Noreco (36.8%), and Nordsofonden (20%). The final investment decision (FID) on the $3.3bn Tyra redevelopment project was made in December 2017, following the approval by the Danish authorities in the same month. Tyra is the most extensive gas field in Denmark, contributing approximately 90% of the total natural gas production of the country. McDermott International was awarded the engineering, procurement, construction, and commissioning (EPCC) contract for the Tyra Redevelopment project in December 2017.

Scope of Services

GQS is supporting McDermott Asia Pacific exclusively with all items procured globally for this project. To further manage the Inspection requirements through our online Inspection system called IGRIS. GQS manages all aspects of the process, including the Notification of Inspection (NOIs) process, all assignments and visits, and associated documentation, including visit reports, planning and scheduling of all inspection activities, cost controls related to ongoing inspection works, and the competency and certification of all Inspectors working on the project which will be several hundred globally.

Scope of services includes:

- Vendor Inspection at all locations for the project globally. Most notably in East and Southeast Asia, Europe, and northern America.
- Inspection of various equipment globally, including subsea equipment, cranes, generators, pumps, HVAC equipment, EX and electrical Inspection including switchboards and distribution panels, Valves, Water treatment packages, Piping, Flowmeters, Tanks, and vessel inspection
- Provide a best-in-class system to manage all NOIs, inspection reports, and documentation, provide cost controls, and inspectors competency online via a client portal.



Waitsia Gas Project Stage 2

Client
Clough

Location
Dongara, Western Australia

Key Activity Locations
Australia, China, Malaysia, India, Singapore, Italy

Project Description

The aim of the Stage 2 Development is to contribute to the stable supply of LNG to meet increasing global demand as well as to continue supplying domestic gas for use by Western Australian manufacturers and consumers.

The project includes a 250TJ/day gas processing plant and associated gas gathering pipelines spread across an area with a radius of approximately 10km, that will convey gas via the nearby Dampier to Bunbury Natural Gas Pipeline

Scope of Services

GQS is providing the provision of QAQC inspection services, all associated services such as the provision of technical support and personnel as required, for the Waitsia Gas Project Stage 2.

The coordination of Auditing, Quality Engineering support, Inspection & Expediting activities is managed using our online bespoke inspection system called IGRIS, from the notification of inspection (NOI) through the entire inspections process, including cost controls and dashboard reporting.

GWF-2 & Greater Enfield Development Projects

Client
Woodside Energy Limited

Location
Offshore Western Australia, Australia

Key Activity Locations
Japan, Australia, Vietnam, Malaysia, China, Indonesia, Singapore, Germany, Norway, UK & Italy.

Project Description

GQS has provided Woodside support with their inspection requirements globally for these two projects, which ran concurrently for this client.

This detailed Inspection of Subsea equipment such as Xmas Trees, Subsea Control Modules, Flexible Risers, Umbilicals, and the manufacture, Coating, Double jointing, and Field joint coating of Linepipe, in various locations globally during manufacture, and offshore Western Australia for the Pipelay. GQS also had a large team of inspection personnel of multiple disciplines based in Singapore for the GED FPSO refit.

Scope of Services

Management of all worldwide Inspection including:

- Linepipe Inspection specialists in Japan dung manufacture at several locations
- Linpepipe Coating Inspection personnel in Malaysia
- Linepipe Double Jointing Inspection teams based in Indonesia
- 2 x Inspections crews for two vessels carrying out Field Joint Coating Inspection consisting of QAQC Leads, NDT, Coating, and Welding Inspection personnel.
- Inspection teams based in Malaysia and Singapore for various subsea equipment
- Inspection teams based in many other countries but most notably in China, United Kingdom, Vietnam, Australia, Norway, and Italy covering various disciplines
- FPSO Inspection team based in Singapore comprising QAQC Lead, Coating, Welding and NDT Inspectors

Ichthys LNG Project

Client
Inpex

Location
Offshore Western Australia & Northern Territory, Australia

Key Activity Locations
Australia, Indonesia, Singapore, Germany, Norway, UK & Malaysia.

Project Description

Ichthys LNG is ranked among the most significant oil and gas projects in the world. Ichthys LNG is expected to produce 8.9 million tonnes of LNG and 1.65 million tonnes of LPG per annum with more than 100,000 barrels of condensate per day at peak.

It is one of the few energy projects worldwide to incorporate the whole chain of development and production: subsea, offshore, pipeline, and onshore.

Gas and condensate from the Ichthys Field will be exported to onshore facilities for processing near Darwin via an 890-kilometre pipeline.

Scope of Services

Inpex has chosen GQS to provide a range of critical quality services to the project QAQC operations support for ongoing Project Inspection needs globally for Phase 1 and, more recently, Phase 2a of this project.

SASOL MERIC

Pande, Temane and Inhassoro Wells Operation Project

Client
Sasol Petroleum Mazambique Limitada

Location
Inhambane Region, Mozambique

Key Activity Locations
Mozambique, United Kingdom, Italy, France, Germany, Sweden, Norway, China, Singapore, UAE, Indonesia, Malaysia, Japan, USA & Mexico.

Project Description

SASOL's onshore Mozambique Exploration, Remediation, and Infill Campaign (MERIC) is a Development of Pande, Temane, and Inhassoro natural gas fields within Mozambique as part of a $1.4 billion (est.) development plan which includes the delineation and development of the Temane G8, Temane East, Inhassoro G6 and Inhassoro G10 reservoirs.

Three licenses PPA, PSA & PC5C (Exploration), have been issued with several production wells being drilled (including a water disposal well) running through to Q3 of 2025, while oil and LPG production facilities will be installed close to the existing Central Processing Facility (CPF).

Scope of Services:

GQS is providing the provision of QAQC inspection services, all associated services such as the provision of technical support and personnel as required, prior to mobilisation of Equipment and Materials, to assist SASOL in setting up and developing QAQC matrices, inspection matrices, and inspection plans as well as detailed operational planning including in-field personnel.

The coordination of Auditing, Quality Engineering support, Inspection & Expediting activities through our online Inspection system called IGRIS. Which manages all aspects of the process, including the Notification of Inspection (NOIs) process, all assignments, and visits and associated documentation, including visit reports, planning and scheduling of all inspection activities, cost controls related to ongoing inspection works, and the competency and certification of all Inspectors working on the project.

Including but not limited to the following types of equipment:

- Casing and Tubing (including Mill surveillance)
- Xmas Trees and Wellhead Equipment
- Completion / Well Service Equipment; and
- Other Third Party equipment, as directed by SASOL, such as:
  - Drill string and related downhole tools, casing handling gear, and fishing tools provided under the Rig Contract.
  - 3rd Party casing handling equipment
- 3rd Party bits, Hole Openers, Under Reamers, drive systems, BHA components, MWD/LWD tools, fishing equipment, well clean-up tools.
- Rental DP, HDLS, cement stinger, and handling tools.
- Liner hanger installation tooling and related consumables

Additional Scope:

GQS has successfully provided a local content initiative whereby GQS provides an assessment and training plan for Mozambique national personnel. The aim is to train these personnel in all aspects of QAQC services associated with the work scope and increase their competency to a level that benefits the individual and the local economy.

CNOOC Projects

Buzzard, Golden Eagle & Scott

Client
CNOOC Petroleum Europe Limited.

Location
North Sea

Key Activity Locations
United Kingdom, Italy, Spain, Norway, Germany, Czech Republic, Dubai, USA, Indonesia, Malaysia & China.

Project Description

CNOOC is one of the largest oil producers in the UK North Sea, contributing more than twenty-five percent (25%) of the UK's oil production and ten percent (10%) of the UK's energy needs. The Company is the Buzzard, Golden Eagle and Scott platforms operator with further exploration and development activities planned in the near, mid, and long-term periods.

Scope of Services:

GQS supports CNOOC's business to ensure compliance with CNOOC standards and specific product quality plans to comply with all the relevant standards, both regulatory and voluntary.

GQS provides inspection and expediting services for all CNOOC's UKCS operations, including projects, drilling & completions, and producing assets and facilities. These activities are performed in accordance with CNOOC Quality Management Standards, assuring support of CNOOC's obligations as a Duty Holder / Well Operator.

While the work pertains to Company's UKCS operations, inspection services for the below equipment are carried out internationally in worldwide locations as directed by CNOOC.

The scope of work includes the (but not limited to) following:

- Drill pipe and downhole tool inspection to NS-1 and NS-2 Standard;
- Equipment failure investigations; and
- Specialist services (fatigue analysis, torque drag and hydraulics analysis, case wear modeling, stuck pipe analysis & advice).

QAQC inspection

- General and specialised equipment inspection
- Temporary equipment inspection
- Expediting
- Mill surveillance and assessment
- Audit services
- Metallurgist/welding specialist

Types of Equipment

- Conductor Pipe and Connectors
- Wellheads, Xmas Tree, Sub-sea Valves & Completion equipment
- Process pipework/valves /vessels/tanks
- Structural Steel/Fabrication/Welding
- Rotating Machinery
- Electrical Machinery and switchgear
- Instrumentation/Communications/ Control Systems
- Temporary Mobile Equipment, e.g., Diesel/Electrical driven units, A60 Containers
- Forging/Casting
- Coatings, Lining, Insulation
- Marine Equipment
- Computer Equipment/Electronics
- OCTG Tubulars
- Lifting Equipment

Rumaila Oil Field Redevelopment Upgrade

Client
Rumaila Operating Organisation

Location
Basra, Iraq

Key Activity Locations
Belgium, Italy, United Kingdom, France, Germany, Sweden, Demark, Norway, China, Singapore, India, UAE, Indonesia, Malaysia, Japan, USA & Mexico.

Project Description

The Rumaila oil field is a super-giant oil field located in southern Iraq, approximately 20 mi (32 km) from the Kuwaiti border.

The field is estimated to contain 17 billion barrels, which accounts for 12% of Iraq's oil reserves, estimated at 143.1 billion barrels. Rumaila is the largest oilfield ever discovered in Iraq and is considered the third-largest oil field in the world. Rumaila is managed by the Rumaila Operating Organisation (ROO) – a joint venture between Basra Oil Company (BOC), BP, PetroChina, and State Oil Marketing Organisation (SOMO) which was established to transform the field into a world-class operation by bringing the facility and equipment up to date using the latest materials, technologies, processes, and ways of working.

Scope of Services

GQS is supporting ROO with all items procured globally for this project via a global services contract. GQS services cover the project out of country activities at suppliers and sub-suppliers premises and associated locations.

To manage the Inspection requirements through our online Inspection system called IGRIS. This system addresses all aspects of the process, including the Notification of Inspection (NOIs) process, all assignments and visits, and associated documentation, including visit reports, planning and scheduling of all inspection activities, cost controls related to ongoing inspection works, and the competency and certification of all Inspectors working on the project.

Scope of services includes (but not limited to):

- Audits (Technical & Process), Vendor Inspection, and expediting services at all locations for the project globally. With a primary focus on the Middle East, UK, Europe, and Asia.
- Inspection of various equipment globally, including Rotating Equipment (incl. turbines, pumps, compressors, generators, and motors), Line pipe Material at Mill, Line pipe Coating, Fittings, Flanges & Valves, Separation and Pressure Vessels, Heat Exchangers & Static Skid Equipment, Chemical Processing Skids, Pumps, Electrical Equipment and Cables, Instrumentation, Fabricated Structural Steel, Wellheads and Xmas Trees and Manifolds, OCTG pipe at Mill, Coated OCTG Tubing, Crossovers Pup Joints, Flanges, Completion Equipment, ESP's, Lifting Equipment / Cranes, Specialist Safety Equipment (non-standard fire fighting equipment), E &I Bulks, SPX Filters' Instrument Air compressor package, Flare system Package, BOP-Piping Bulks (Pipes, Fittings & Flanges, Gaskets, Fasteners), Surge Relief Skids
- Provide specialist technical support on various equipment and materials when requested in line with the project specifications.
- Provide a best-in-class system to manage all NOIs, inspection reports, and documentation, provide cost controls, and inspectors competency online via a client portal.

Pipe Mill Audits – Shell Technical Acceptance (TAMAP)

Client
Shell USA and Shell Global Projects

Location
Worldwide

Key Activity Locations
USA, Italy, France, Germany, Sweden, Austria, China, India, UAE, Saudi Arabia, Argentina, Malaysia, Japan, South Korea, Brazil, Mexico, and Russia.

Project Description

The Technically Accepted Manufacturers and Products (TAMAP) database is a Shell-owned global database for technically accepted manufacturers and fabricators in named categories. The purpose of the TAMAP database is to assist Shell operating units and Projects in making sourcing decisions.

GQS manages the audit process used by the Shell Group for the qualification, acceptance, and ongoing assessments of Steel Plate, Coil, and Pipe Mills to supply plate and coil and subsequent pipe making in accordance with designated International Standards and Shell Specifications. This includes materials of carbon, low alloy, corrosion-resistant alloys, and bimetallic pipe (carbon steel, clad or lined with corrosion-resistant alloys), covering Line Pipe, Process Pipework, and OCTG.

Objectives

The objectives GQS concentrate on for TAMAP Steel and Pipe Mills are to:

- Increase assurance that the materials and manufacturing (including inspection and testing) comply with industry standards and Shell technical specifications.
- Demonstrate an effective and operable quality management system ensuring full compliance with API Q1 (or equivalent).
- Enhanced information for Shell Enterprise Category Management; to centrally manage and reduce overall costs
- Input recommendations into the list of globally technically accepted steel and pipe mills for specific material grades/specifications.
- Streamline ordering process for projects and operating units through a recommendation of acceptance, precise assessment results, and scoring.
- Increase transparency for and synergy with steel and pipe mills through clear policies and procedures regarding TAMAP and transparency through independent verification

Scope of Work:

GQS audit management provides the following to Shell:

- Recommendation of adding, modifying, or deleting steel mills and their products to the TAMAP database.
- Offer a structured approach to perform technical assessments and audits (including all mill manufacturing, testing, and inspection activities).
- Assist with establishment of acceptance criteria for assessments and to evaluate the performance of steel mills.
- Providing experienced technical expert auditors with in-depth knowledge relating to specialist subjects, such as NDT, Mechanical Testing, and Welding.

Case Study
02

Mining & Minerals

Powder Leach Nickel Sulphate Plant

Client:
BHP

Location:
Western Australia, Australia

Key Activity Locations:
Australia & Globally

Project Description

BHP is developing the worlds biggest nickel sulphate plant to further expand its Nickel matte and metal exports globally. The three streams of nickel concentrate come together at the Nickel West Kalgoorlie smelter, a vital part of their integrated business.

The smelter uses a flash furnace to smelt concentrate to produce nickel matte. Nickel West Kwinana then refines granulated nickel matte from the Kalgoorlie smelter into premium-grade nickel powder and briquettes containing 99.8 per cent nickel.

Scope of Services

GQS are providing QAQC inspection support services and document reviews locally and internationally for BHP Mine's and construction of new Nickel Sulphate processing plant.

Verification during Construction

Risk based verification activities 2 days per week covering the following:

- Piping test packs – verify work is being done to specification, check cleanliness, and check valve orientation and actuation
- Verification of tank cleanliness
- Flange Management
- Onsite vendors – verification of completions / service reports
- Red line drawings – flow through change management and impacts to engineering data
- MOC process – verify process is being followed
- FTR completion – verify work done is what has been captured on the FTRs
- Ongoing MDR compilation
- Preservation

Hazardous Area Dossier

- Verification of Hazardous Area Dossier compilation and associated records.

Verification during Commissioning

Risk based verification activities 1 day per week covering the following:

- Onsite vendors – verification of completions / service reports
- Blue line drawings – flow through change management and impacts to engineering data
- MOC process – verify process is being followed
- FTR completion – verify work done is what has been captured on the FTRs
- Verify quality records are being maintained to support achieving Ready for Commissioning Certificate and Transfer of CCC / Facility Handover Notice
- Monitor progress to close out CAT B punch list items at the end of Stage 3 and close out of CAT C at the end of Stage 4

MDR reviews included, covering the below items:

- Valves, Agitators, Bagging machine, Tanks, Expansion joints, Substations, DCS hardware, DCS Software, Fire and disaster systems, Scrubbers, Clarifier, Bucket elevators, Automatic sampler package, CW Tie in installation, Acid mixer, Pipe rack, Fire hydrants & Electrical cable relocation and installation.

Wood Kemeralton Project

Client:
Wood Mining

Project:
Kemeralton Project

Location:
Bunbury, Western Australia

Project Description

The Kemerton Project, is the construction of WA's largest lithium hydroxide conversion plant, located within the Kemerton strategic industrial area in Bunbury, Western Australia. The plant will initially consist of two production trains with a capacity of 40,000 tonnes per year (20,000 tonnes per train).

Scope of Services

GQS are providing QAQC Coordinators to Wood Mining & Minerals Quality Control Team that will report to the Project Quality Manager and will be responsible for ensuring QA and QC compliance across all fabrication workshops, internationally and locally.

- Direct and support QC Inspectors on inspection scope to ensure critical activities are captured and recorded.
- Provide leadership to the EPCM QC team for all fabrication and multi-disciplinary construction activities;
- Implement EPCM quality processes and systems ensuring compliance to project requirements and progressive compilation of project documentation;
- Work with Works Contractors (Fabricators and Site Contractors) to ensure project QC requirements are understood by all and suitable education programs are in place;
- Competence of technical review of supplier data submissions typically including; quality plans, Inspection Test Plans (ITP's), process and personnel qualifications and manufacturing records and certification.
- Monitor the development and approval of Works Contractor Inspection Test Plans (ITP's), Checklists (ITC's) and Manufacturers Data Records (MDR's).
- Monitor and support Completion Team with progressive handover of work packs.
- Ensure in field quality requirements are met in terms of both workmanship and documentation, identifying issues and managing / mitigating appropriately;
- Review and register in the company quality control system all complaints received from customers (NCR's).
- Document quality issues and performance measures for management review
- Develop and recommend inspection and sampling techniques, quality control plans or process control procedures Monitor and inspect fabrication / construction process against project specifications, drawings and related codes to ensure finished products meet quality specifications and standards design intent.
- Provide technical assistance to purchasing staff in connection with the purchase of raw materials, supplies and equipment.
- Manage relationships and ways of working with key suppliers and subcontractors to ensure continuous improvement in the delivery of goods/services that meet business and project requirements.
- Supervise controls on receipt and acknowledgment of materials and supplies and the maintenance of quality control records and checklists.
- Analyse and report of Works Contractor performances (KPIs).
- Assist with the co-ordination of works contractor off site and on site inspections as project requires.
- Conduct works contractor off site and on site inspections as project requires.
- Review inspection reports and address concerns raised from works contractor inspections.
- Assist and advise project managers and discipline engineers in all aspects Project QAQC and compliance.

Tanami Gold Mine

Client:
Worley

Location:
Northern Territory, Australia

Key Activity Locations:
Australia, South Africa, China, Spain & Germany

Project Description

WorleyParsons has been awarded an engineering, procurement and construction management services contract ("EPCM") by Newmont Mining Services Pty Limited ("Newmont") in Australia.

Under the contract, WorleyParsons will provide the EPCM services including pre-commissioning, commissioning, start-up and performance testing services for Newmont's underground mine operations located in the Tanami Desert in the Northern Territory of Australia.

The EPCM contract is for four years and will establish deep shaft and related mining infrastructure to increase mining production at the mine.

Scope of Services:

GQS were awarded the full QAQC Inspection support Management of all QAQC Inspection's locally and internationally to support Worley and their client covering:

- Welding Inspections
- NDT Inspections
- Electrical Inspections
- And other Inspection surveillance activities

ÇÖPLER Flotation Gold Mine Expansion

Client:
Anagold Madencilik / Wood

Location:
Erzincan City, Turkey

Project Description

Çöpler Mine Site is an open pit operation located 8 km away from İliç District of Erzincan City, approximately 550 km east of Ankara in Middle Anatolia.

The Çöpler Mine is currently an open-pit, heap-leach operation that is producing gold from oxide ore. Open-pit mining at Çöpler is a typical drill, blast, load haul operation which is being undertaken by a Turkish contractor, Çiftay İnşaat Taahhüt Tic AŞ.

The Çöpler plant has the capacity to process approximately 20,000 tonnes per day of oxide ore through its three-stage crushing circuit and parallel clay handling circuit.

Scope of Services:

GQS exclusively provided QAQC Inspection and Expediting support locally and internationally to support Anagold and Wood for the ÇÖPLER Flotation Gold Mine Expansion Project. The whole project was managed through GQS's bespoke management system with client log in, cost controls, controlled inspector competencies, and customised Dashboard Reporting.

Port Hedland Maintenance

Client:
Fortescue Metal Group (FMG)

Location:
Western Australia, Australia

Key Activity Locations:
Australia

Project Description

As one of the world's largest producers of iron ore, Fortescue's wholly owned and integrated operations in the Pilbara include the Chichester and Solomon mining hubs and the Western Hub, which is currently under development.

FMG mining infrastructure is connected to the five berth Herb Elliott Port and Judith Street Harbour towage facility in Port Hedland via the fastest, heavy haul railway in the world. GQS assisted FMG with reclaimer welding repairs in Port Hedland.

Scope of Services:

GQS assisted FMG Energy with:

- Welding Supervision
- Welding Inspection
- NDT Supervision

Loy Yang Mine

Client:
AGL Energy

Location:
Victoria, Australia

Key Activity Locations:
Australia

Project Description

Located to the south of Traralgon within the Latrobe Valley, Loy Yang is Victoria's largest open cut brown coal mine and is owned by AGL Energy. Coal is mined to depth of more than 200m. The mine has an annual coal output of approximately 28 million tonnes.

GQS supports AGL Energy with Welding QAQC services on Dredger outages.

Scope of Services:

GQS assists AGL Energy with:

- Welding Procedure Specification Development
- Welder Qualifications
- Welding Supervision
- Welding Inspection
- NDT Supervision
- Quality Assurance (FRB Compilation)

Case Study
03

Renewable Energy

Hai Long Project

Client
Hai Long Offshore

Location
Offshore, Taiwan

Key Activity Locations
Taiwan, Vietnam, South Korea, Denmark, Germany

Scope of Services

Overseeing Product Quality and HSE standards are met at Contractor / Sub-Contractor sites during fabrication, delivery, Installation and / or construction activities.

Conducting independent due diligence witness Inspection Activities in line with the defined ITP's (Inspection & Test Plans) to ensure product compliance and integrity is maintained / not compromised at all times.

The whole project is managed through GQS's bespoke management system with client log in, cost controls, controlled inspector competencies, and customized Dashboard Reporting.

Project Description

Located in the Taiwan Strait, one of the world's best locations for offshore wind, the Hai Long Offshore Wind project will produce more than 1GW, using best-in-class technology and state of the art wind turbines.

Remote Inspection

Organisations must rely on remote and practical operations in a disruptive business world. GQS is always here to support our clients' operational requirements using the latest digital technologies and procedures, maximizing the value of our exceptional services.

Process

GQS remote inspections are designed to provide organisations with the same level of technical expertise and insight in a safe, efficient and adaptable way. Our highly skilled team will guide you through the client-orientated Remote Inspection Process, that will ensure all inspection requirements are more than satisfied, while not compromising any aspects of technical assurance or regulatory requirements.

Utilizing proven and reliable smart technologies, Inspectors can witness a process or test being undertaken from a remote location via direct live video stream. Applying a range of preferred smart devices, each Inspection can be conducted following its exact specifications, with the support of clear visual and audio technologies.

These inspections may be observed by all parties involved, as the GQS team provide comprehensive support throughout the complete remote inspection process.

Clients may interact and communicate with real-time questions and feedback as the inspection takes place. The inspection process may also be recorded with permission from all stakeholders, for further review and understanding, providing a more streamlined inspection experience.

Benefits

- Mitigate Safety Risk - The remote process can significantly reduce general organisational risks, by delivering immediate transparency in addressing any technical issues while managing the risk of inspector's well-being from hazardous sites and travel fatigue.
- Remove Geographical Boundaries - Our remote inspection process can provide a direct link between client, supplier and inspector, considering no physical boundaries, travel and any other restrictions. Consequently, maintaining strong business continuity.
- Cost Reduction - GQS offers a cost-effective alternative to on-site inspections by decreasing wait-times, increasing operational uptime and reducing travel costs.
- Audio Video Real Time Reporting - A record of the remote inspection event can be provided in real time to our client representatives with the agreement of all stakeholders, and providing a future reference for clients and regulatory authorities.
- Reduced Carbon Footprint - GQS remote inspections enables your organisation to reduce its carbon footprint by significantly reducing the need for travel of personnel.

Systems

GQS have invested heavily in their bespoke management system called FLOW

GQS have invested heavily in their bespoke management system called FLOW. As there was no “Off the shelf” system which allowed us to manage our clients’ requirements as we wanted, we decided with our sister companies, that we would build our own system to meet our own particular requirements, and that of the other companies. Longer term this strategy has proved effective for both GQS and our clients. As we have a very robust and advanced system, this means we can do things quicker, smarter and with less bureaucracy allowing us to offer a very competitive service.

Having our own bespoke system allowed us to control and record our inspector’s competency, work history and all relevant certification as we wanted, ensuring our clients have access to the latest Inspectors information and a history of their work completed.

Understanding today’s challenging market

We further understand that in today’s challenging market, service providers need to add more value to their client’s projects and ensure they know where every part of their budget has been spent. To this end we have added additional controls and reporting functions to our client’s assignments giving them greater value and visibility over costs spent on each and every project.

GQS is using the latest digital technologies to provide real time data. Due to our adaptability, we are able design and innovative to the exact requirements of our client. We can transform Commercial, Technical and KPI data into customizable live Dashboard Reporting.

The FLOW system was developed with our core values in mind. Building trust by giving our clients access to as much information as possible, and delivering innovation & quality to all Stakeholders.

Sustainability and HSE

Keeping the public safe and protecting the environment

Companies can only be sustainable if the societies they operate in are sustainable, and unsustainable companies cannot fulfil their social responsibilities. At GQS, Corporate Responsibility is about conducting our business ethically and contributing to the economic, social and environmental well-being of our communities. We believe that behaving responsibly is critical to the sustainability of our company.

Furthermore, we exist to keep the public safe and to protect the environment through controlling the quality of manufactured and fabricated items in the energy and other sectors of high risk. Safety is at the core of what we do, providing a safe workplace for our employees and contractors whilst ensuring clients' products, assets & systems meet the required health, safety, performance and quality standards in turn protecting the environment.

Quality control today contributes to safe, reliable and cost-effective production tomorrow

Through high quality inspectors and a bespoke management system we increase productivity, ensure manufacturers and fabricators meet global standards, manage risk, and improve the quality, safety and compliance of companies' products and services. We believe that quality control today contributes to safe, reliable and cost-effective production tomorrow. Safety starts with quality control.

Accreditation

The below accreditation confirms we have the appropriate systems in place to consistently deliver a Quality Service to our clients and also confirms we have further met the requirements to supply services to the Petroleum, Natural Gas, Petrochemical, Power Generation, Mining, Renewable Energy and General Engineering Industries. Quality management systems are the foundation of quality assurance and quality control activities.

GQS are accredited to the following:

ISO 9001

ISO 9001 is the international standard that specifies requirements for a quality management system (QMS). Organisations use the standard to demonstrate the ability to consistently provide products and services that meet customer and regulatory requirements

ISO 17020

Entitled “General Criteria for the Operation of Various Types of Bodies Performing Inspection”, is an internationally recognised standard for the competence of Inspection Bodies.

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