



Turnaround
Maintenance &
Modifications

As of October 2021, we
have achieved 6.1 million
manhours at site without
a lost time incident.

Multi-disciplinary maintenance

Qatar Shell Pearl GTL



Location: Ras Laffan, Qatar

Operator & Client: Qatar Shell GTL

Duration: 2013 – 2022

Scope: Multi-disciplinary Maintenance &
Engineering Support Services

The Qatar Shell GTL Plant, Pearl GTL, is located in Ras Laffan Industrial City, 80 km north of Doha, Qatar and is the world's largest gas to liquids (GTL) plant.

In 2013, Kentech Qatar was awarded two strategic 5-year maintenance contracts by Qatar Shell GTL. Following the initial award of the HVAC General Maintenance & Engineering Support Services contract in September 2013, Kentech was awarded an additional contract to provide Electrical & Instrumentation Maintenance Services.

Both contracts ran concurrently until their amalgamation into one overall contract in mid-2017. The original completion date for the contract was June 2019, however this was extended to June 2022 due to the high performance of the execution team.

Kentech provides the management team, supervision, labour, tools, equipment, spare parts

and materials etc. required to carry out the Services. The scope involves the provision of preventive (PM) and corrective (CM) Electrical, Instrument & HVAC Maintenance services, in addition to the execution of major full-train turnarounds, MTA1 (2015), MTA2 (2016), RTA (2017) and MTA3 (2022). Kentech also provides the client with project support for reliability modification improvements.

Activities cover the maintenance of switchgear, transformers, motors, UPS and Battery systems, VSDs and plant general power and lighting, as well as piping fabrication and construction and repair works, in addition to mechanical repair works on exchangers, columns, vessels, compressors and also the full instrument scope.

This contract adds to Kentech's working history on the Pearl GTL Plant. During the construction phase of the plant, Kentech installed the electrical, instrumentation, HVAC and firewater ring main construction and testing works on the Water Treatment Plant, which forms an integral part of the gas to liquids process. We then continued to support Pearl GTL by providing maintenance personnel starting from the commissioning phase of the plant.



KEY FACT

We have developed the technical competency of our teams on site through multiskilling & upskilling of our people. This includes CompEx training & certification.



Project Improvements

K2 Base Camp

Kentech's K² Base Camp room concept was installed on site, adopting Lean and Six Sigma methodologies. Utilizing KPI dashboards, operating on the philosophy of 'What Gets Measured Gets Improved', dashboards display and report on operational performance each week. This approach provides predictable outcomes to execution and enables decisive decision making to improve operational performance.

ESG

Within the Gas to Liquids process, water treatment generates approximately 6000 tons of dry biosludge annually. Conventionally, this biosludge had been going straight to the landfill. The sludge is rich in organic matter and can supply plant nutrients such as carbon, nitrogen and phosphorous. Due to Qatar's punishing arid climate, the local land is infertile. It's capacity to hold nutrients and water is poor, and therefore the agricultural industry in Qatar is highly dependent on using fertilizers to improve crop yield and develop self-sustainability. Shell have installed a Biosludge treatment facility on the plant which is maintained by Kentech, ensuring uninterrupted sludge production.

Technology

With the transition of traditional paper-based permits to electronic (ePermit), the natural next step is to utilise available technology to maximise front line productivity. Kentech's Zone-rated iPads allow our Technicians to hold paperless permits in the field, and even allow for digital approval and acceptance of permits, which speeds up work start times.

Given recent global events, remote collaboration has become key to maintaining our operations at site. Kentech has adopted the use of Realwear field communicators. The communicators are integrated with a full suite of Apps, including Microsoft Teams, enabling leadership to communicate directly with the front-line workforce. It also enables field technicians to communicate with technical specialists and SMEs from anywhere in the world, share audio and video, troubleshoot and inspect, right from their work location.



now we execute our services on site. Leveraging our internal Center of Excellence and supported by our global SME network, we facilitate regular workshops with key Shell stakeholders to propose, identify and develop initiatives to improve delivery and reduce client maintenance spend. Initiatives included sample-based maintenance, right-sizing operational teams, optimising work plans to reduce stand-by time loss.

Kentech works with Shell Technical Authorities and Reliability Engineers to perform regular reviews of PM plans in order to optimize for efficient execution. This has seen a reduction in the quantity of PMs required, improved how they are planned & scheduled, and as a result has driven commercial savings for QSGTL. A major such exercise was conducted During 2017. Kentech and Shell worked together to improve maintenance planning and execution, taking measures to reduce waste (idle time) which saw an increase in measured hands on tools time and improved the efficiency of maintenance execution driving further savings.

Increased HoTT

There is a continuous drive towards achieving increased HoTT (Hands on Tools Time) at site.

- Multiskilling personnel
- De-centralised (field based) permitting
- Direct personnel transport – using Kentech own logistics in tandem with Shell site shuttles
- Identifying & improving QSGTLs own processes to drive up HOTT –
- Challenging training prerequisites
- ePermit improvements – templates

Battling the conditions

During the hot summer season, environmental challenges has traditionally restricted the ability to achieve productivity at site. Kentech provides the site with cooling solutions by way of mobile HVAC units, cooled work habitats and rest shelters. This enables all contractor disciplines, Mechanical, Piping, Civil, E&I, to continue work unimpeded by the summer heat and assures productivity is not lost.

TURNAROUND, MAINTENANCE & MODIFICATIONS PROJECT PROFILE

SHELL MOERDIJK & PERNIS, THE NETHERLANDS.

MULTI-DISCIPLINARY TURNAROUND, MAINTENANCE & MODIFICATIONS SERVICES.



LOCATION: THE NETHERLANDS
OPERATOR: SHELL NEDERLAND RAFFINADERIJ B.V. AND SHELL NEDERLAND CHEMIE B.V.
DURATION: SEPTEMBER 2015 - JUNE 2018
CLIENT: SHELL NEDERLAND RAFFINADERIJ B.V. AND SHELL NEDERLAND CHEMIE B.V.
SCOPE: FIELD ENGINEERING, CIVIL, ELECTRICAL, INSTRUMENTATION, MECHANICAL, PIPING, STRUCTURAL, ROTATING, OPERATIONS AND TURNAROUND PROJECTS

In summer 2015, Kentech acquired the operational interests for the Shell Pernis and Shell Moerdijk sites in The Netherlands, following the bankruptcy of Royal Imtech N.V.

The three year contract requires Kentech to provide multidisciplinary technical services for maintenance, turnarounds and projects. The multidisciplinary scope of works includes Electrical & Instrumentation, Civil, Piping and Mechanical, which further broadens our global multidisciplinary competences.

With a total yearly turnover over 550,000 manhours, Kentech plays an important role in the overall safety and quality performance of the Shell operations on the largest European refinery located at Pernis and one of the largest chemical sites located at Moerdijk.

In an industry where the most optimal usage of assets is a key priority, Kentech has demonstrated its commitment time to time again, effectively supporting our clients or assisting them on projects wherever necessary by being a true partner.

In particular on turnarounds and projects, Kentech has proven to be strategic partner for the main EPC contractors Jacobs and Fluor. By providing field engineering services, we have supported these contractors during several critical phases of these projects.

In addition to giving Kentech its first foothold in The Netherlands and extending our services, these projects further expand Kentech's relationship with Shell who we also work with in Sakhalin, Russia and Ras Laffan, Qatar..

GENERAL MAINTENANCE CONTRACT, SAKHALIN-1.



LOCATION: SAKHALIN ISLAND, RUSSIA
OPERATOR: EXXON NEFTEGAS LIMITED (ENL)
DURATION: ONGOING SINCE 2008
CLIENT: EXXON NEFTEGAS LIMITED (ENL)
SCOPE: ELECTRICAL, INSTRUMENTATION, AUTOMATION, CONTROL, TELECOMMUNICATIONS MAINTENANCE & CONSTRUCTION SERVICES

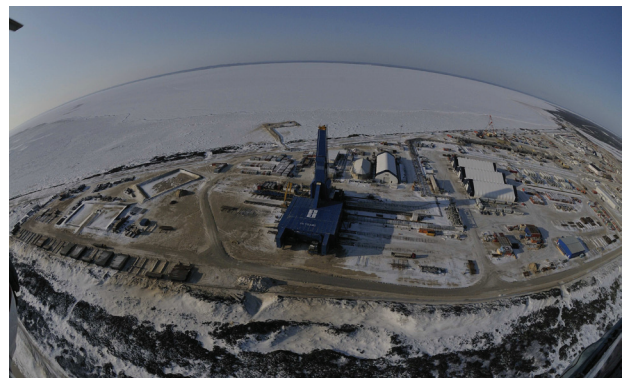
In 2008, Kentech was awarded a long term contract on the Sakhalin-1 Project by Exxon Neftegas Limited. The principal work locations are at the Chayvo Onshore Processing Facility (OPF), the Orlan Platform, the DeKastri Terminal and Single Point Mooring system as well as valve station locations along the Crude and Gas Product Pipelines

This contract includes the provision of maintenance and modification services associated with general instrumentation, control and automation, electrical and telecommunication disciplines.

Kentech is providing all personnel, permits, equipment, transportation planning and management resources required to execute these services.

In addition, Kentech is providing services to support the maintenance of the telecom towers located at Exxon Neftegas Limited Main Office building in Yuzhno-Sakhalinsk and at the Olympia Village residential complex.

Our project teams are assigned to different locations, spanning hundreds of kilometres apart. Kentech conducts its business by utilising the skills and expertise of the individuals, contractors and suppliers in the local area with 90% of employees on the project being Russian. To date we have executed 650,000 manhours without a lost time incident.



TURNAROUND, MAINTENANCE & MODIFICATIONS PROJECT PROFILE

SGP TURNAROUND WORKS 2018.



LOCATION: CRUDE STABILIZATION FACILITY (KTL PLANT) TENGIZ KAZAKHSTAN
OPERATOR: TENGIZCHEVROIL
DURATION: MARCH 2018 – DECEMBER 2018
CLIENT: TENGIZCHEVROIL
SCOPE: TURNAROUND ELECTRICAL UPGRADE INSTALLATION, DISMANTLING/RE-INSTALLATION
HOOKUP & COMMISSIONING

For this scope of work, Kentech were awarded multiple Electrical Job-Packs and work scopes were carried out in KTL-1, KTL2.2 U400, U200.4, KTL-2.3 Train 5. Our peak manning levels have so far reached 60, executing 115,500 manhours. Work commenced on site in March 2018 and is due to complete in December 2018.

Key scope of work activities include:

- Develop, compile and produce work test packs based on each shut down timeframe in the planned schedule of scope
- Liaising with the unit operators to de-energize and remove main circuit breakers in accordance with TCO SI-105 & safety procedure SI-106 permit and lock out tag out procedures
- Removing of circuit breakers from electrical LV distribution boards and replacing new after testing
- Disinvestment of existing trace heating systems and installation of new trace heating for piping tie-ins
- Installation of new power junction boxes and power cable circuits.
- Modifying and upgrading existing cable tray works and Installing new cable tray systems
- Test, check and commissioning of new heat-trace circuits and equipment
- Installation and commissioning of new power distribution panels
- Tie in of existing and new installation heat-tracing systems
- Upgrade of earthing system and tie in of newly installed grounding cables, electrodes and pits.
- Replacement of heat-trace tapes and upgrade on plant manifold
- Performing commissioning activities on MV distribution boards, measuring current and voltage, and inputting appropriate records in test reports
- Carry out acceptance and transfer of commissioning works on electrical equipment
- Providing Client operation support in start-up activities as directed by the client.

TURNAROUND, MAINTENANCE & MODIFICATIONS PROJECT PROFILE

SGP TURNAROUND WORKS 2017.



LOCATION: CRUDE STABILIZATION FACILITY (KTL PLANT) TENGIZ KAZAKHSTAN
OPERATOR: TENGIZCHEVROIL
DURATION: APRIL 2017 – NOVEMBER 2017
CLIENT: TENGIZCHEVROIL
SCOPE: TURNAROUND ELECTRICAL UPGRADE INSTALLATION, DISMANTLING/RE-INSTALLATION
HOOKUP & COMMISSIONING

For this scope of work, Kentech executed multiple Electrical Job-Packs and work scopes were carried out in KTL2.3 U160, U200, U300, U700, Plant Manifold 3 Train 5. Our peak manning levels reached 55, executing 32,500 manhours. Work commenced on site in April 2017 and completed on schedule in November 2017.

Key scope of work activities included:

- Develop, compile and produce work test packs based on each shut down timeframe in the planned Schedule of scope
- Liaising with the unit operators to de-energize and remove main circuit breakers in accordance with TCO SI-105 & safety procedure SI-106 permit and lock out tag out procedures
- Upgrade of LV and MV switch boards and switch gear, bus bar installation and performing duster test and commissioning activities
- Testing and commissioning new replacement circuit breakers for distribution boards and installation
- Dismantling of existing heat-trace thermostats, power junction boxes and power cables
- Upgrade of heat-tracing systems throughout the plant
- Installation of new cable trays and supporting mechanisms
- Energizing automatic circuit breakers as per request and ensuring the outgoing circuits are energized
- Performing commissioning activities, measuring current and voltage, and inputting appropriate records in test reports
- Producing as-built documentation: as-built drawings, protocols, reports and submitting to TCO I&E TASP coordinator
- Replacement of heat-trace tapes on DHC & DNC pipelines and vessels, preforming commissioning and hand over
- Preform substation switchboard modifications including CB testing, RCBO replacing, busbar and earthing bar replacing and testing, terminal replacing and rewiring
- Modification of existing grounding system (including trenches, tray, earth pits, cabling and connections)
- Providing client operation support as directed by the Client
- Work with interfaces related to electrical systems and vendor equipment to commission and start-up.

TURNAROUND, MAINTENANCE & MODIFICATIONS PROJECT PROFILE

SGP TURNAROUND WORKS 2016.



LOCATION: SECOND GENERATION PLANT (SGP PLANT), TENGIZ, KAZAKHSTAN
OPERATOR: TENGIZCHEVROIL
DURATION: MARCH 2016 – DECEMBER 2016
CLIENT: TENGIZCHEVROIL
SCOPE: TURNAROUND ELECTRICAL UPGRADE INSTALLATION, DISMANTLING/RE-INSTALLATION
HOOKUP & COMMISSIONING

For this scope of work, Kentech executed multiple Electrical Job-Packs and work scopes were carried out in U200, U400, U500, U1000 and Main Manifold Facilities SGP. Our peak manning levels reached 130, executing 100,000 manhours. Work commenced on site in early 2016 and completed on schedule in December 2016.

Key scope of work activities included:

- Develop, compile and produce work test packs based on each shut down timeframe in the planned schedule of scope
- Dismantling of 6/0.4 kV packaged transformer substations with 100 kVA transformers;
- Installation of new 6/0.4 kV packaged transformer substations with 250 kVA transformers;
- Upgrading High voltage cabling, including termination and high potential testing activities
- Upgrade of existing distribution boards in RTU.
- Upgrade of existing distribution boards at site;
- Temporary dismantling of the existing electric trace heating system;
- Re-installation of this heat tracing system on newly installed equipment;
- Upgrade of existing TDBs and main power cables hook-up
- Existing power cables destruction;
- Pulling and termination of power cables intended for new motor operated on-off
- Valves energizing;
- New motor operated on-off valves and drain pipes electrical heating.
- Providing electrical support & trace heating for condense/ steam lines
- Installation and tie in of additional lighting system to existing plant
- Testing and commissioning of circuit breakers, distribution boards, lighting & heat tracing systems
- Work with interfaces related to electrical systems and vendor equipment to commission & start-up

TURNAROUND, MAINTENANCE & MODIFICATIONS (TMM) PROJECT PROFILE

PROJECTS E&I MASTER SERVICES AGREEMENT.

MAINTENANCE, MODIFICATION & SHUTDOWN SERVICES.



LOCATION: TENGIZ, KAZAKHSTAN
CLIENT: TENGIZCHEVROIL (TCO)
DURATION: 2016 - 2020
SCOPE: ELECTRICAL AND INSTRUMENTATION MAINTENANCE, MODIFICATIONS, AND SHUTDOWNS
TYPE: OIL & GAS PRODUCTION FACILITY IN REMOTE LOCATION INCLUDING HIGH RESERVOIR
 PRESSURE AND HIGH H₂S RISK
SCOPE: MASTER SERVICES AGREEMENT FOR THE PROVISION OF ELECTRICAL, INSTRUMENT
 MODIFICATION WORKS, CALIBRATION, MINOR MAINTENANCE AND SHUT DOWN SERVICES
 FOR TENGIZ MAJOR CAPITAL PROJECTS (MCP)

SECOND GENERATION ENHANCEMENT PROJECT:

Boiler E&I Brownfield Modification Works (Period 2015-2017);
 Unit 760 & 200 E&I Brownfield Modification Works (Period
 2015 - 2017);
 Calibration, Maintenance & Shutdown Works (Period 2015 -
 2018);
 CP Ventilation System Modifications (2017-2018)

SEASONAL GAP REDUCTION:

KTL E&I Brownfield Modification Works (Period 2016 -
 2018)

Key Scope of work activities included:

- Provision management team
- Valve & Instrument Calibration, verification/functional tests, configuration and partial renovation
- Installation & Modification works on LV, MV & HV Switch boards & Switch gear
- Electrical Heater provision and maintenance
- LV, MV & HV Motor realignments and modifications in conjunction with ABB & Rolls Royce
- Hi-Pot testing of 6kv & 35Kv cables
- Heat-trace upgrading
- I&E modification scope for Boiler feed water Pump-house ventilation system

TURNAROUND, MAINTENANCE & MODIFICATIONS (TMM) PROJECT PROFILE

E&I MASTER SERVICES AGREEMENT.

MAINTENANCE, MODIFICATION & SHUTDOWN SERVICES.



LOCATION: TENGIZ, KAZAKHSTAN
CLIENT: TENGIZCHEVROIL (TCO)
DURATION: FIVE YEAR AGREEMENT (2014 - 2019)
SCOPE: ELECTRICAL AND INSTRUMENTATION MAINTENANCE, MODIFICATIONS, AND SHUTDOWNS
TYPE: OIL & GAS PRODUCTION FACILITY IN REMOTE LOCATION INCLUDING HIGH RESERVOIR PRESSURE AND HIGH H₂S RISK
SCOPE: MASTER SERVICES AGREEMENT FOR THE PROVISION OF ELECTRICAL, INSTRUMENT MODIFICATION WORKS, CALIBRATION, MINOR MAINTENANCE AND SHUT DOWN SERVICES FOR TENGIZ FIELD ENGINEERING GROUP PROJECTS (FEG)

SELECTION OF SOME SAMPLE PROJECTS:

- Well T-4848 E&I Brownfield modification works (Period: Aug 2017-Aug 2018);
- Water Recycling Facility E&I works (Period: Aug 2017-Aug 2018);
- Well head E&I Brownfield modification works (Period: Nov 2016 - Dec 2017);
- Substation Replacement;
- Redundant Power Supply

Key Scope of work activities included:

- Brownfield modification works on Circuit Breakers in Transformer substation
- 380V AC / 24V DC UPS modification
- Minor maintenance on indoor and outdoor units of the split air conditioning
- System and Electric Heaters
- Carrying out modifications on 380V Power Distribution Boards
- Wellhead control panel modification
- Cathodic Protection activities
- Performing Shut down assembly works including necessary modification works on LV & MV Switch boards & Switch gear
- Carrying out upgrades on Well head panels and associated equipment
- Valve & Instrument Calibration, verification/functional tests, configuration and partial renovation

TURNAROUND, MAINTENANCE & MODIFICATIONS PROJECT PROFILE

E&I MAINTENANCE CONTRACT, SAKHALIN-1.

ONSHORE & OFFSHORE E&I MAINTENANCE SERVICES.



LOCATION: SAKHALIN ISLAND, RUSSIA
OPERATOR: EXXON NEFTEGAS LIMITED (ENL)
DURATION: 2008 - 2021
CLIENT: EXXON NEFTEGAS LIMITED (ENL)
SCOPE: ELECTRICAL, INSTRUMENTATION, AUTOMATION, CONTROL, TELECOMMUNICATIONS MAINTENANCE SERVICES

Contract Overview:

In August 2015, Kentech were re-awarded the long term contract on the Sakhalin-1 Project by Exxon Neftegas Limited, for the execution and management of maintenance and modification services associated with general electrical, instrumentation, control / automation, telecommunication disciplines, and electrical & mechanical services to the HVAC systems. This was in succession to the completion of the previous contract which commenced in December 2008.

A key factor in Kentech being awarded this contract was the successful execution of the previous 6 year E,I,C&A,T contract, all of which had been executed without a lost time incident, and recorded over 1 million man-hours on the project, with the final 3 years being injury free. This high level of safety commitment and performance resulted in the Kentech project team being awarded many safety accolades from their client,

including being awarded ENL's Sakhalin-1 Contractor of the Year in 2011, 2013, 2014, 2015 and 2018.

Our project teams are assigned to all of the remote Sakhalin-1 locations, covering hundreds of kilometres, principal work locations of Sakhalin-1 being the Chayvo Onshore Processing Facility (OPF), Odoptu FSP, Orlan Platform, the DeKastri Terminal and Single Point Mooring system as well as valve station locations along the Crude and Gas Product Pipelines. The Kentech maintenance support scope was recently expanded with the introduction of Russia's largest offshore platform, the Berkut in the Arktun-Dagi field.

The services provided under the E,I,C&A,T maintenance and modification agreement cover all aspects associated with the technical, QHSE, procurement and logistical requirements necessary to support the operations and production systems of the facilities.

E&I MAINTENANCE CONTRACT, SAKHALIN-1.

ONSHORE & OFFSHORE E&I MAINTENANCE SERVICES.

Electrical Testing Facilities:

Kentech is equipped with both mobile and fixed ETL (Electrical Test Lab) facilities which are located at the Chayvo OPF Facility. The ETL Labs cover a wide range of testing services including dielectric strength testing of various types of electrical PPE such as Electrical Gloves, Insulated Boots, Overshoes and Grounding Rods. The ETL is a fully licensed and certified laboratory as per Russian standards and regulations and includes a wide range of test equipment such as AC 0-70kV 50Hz hi-pot tester, test trays/tubs, insulated rod test stands, mechanical and digital timers and power source transformers as well as safety features such as enclosed test area, and warning lighting and grounding features.

Onsite Electrical Maintenance and Modifications activities include Power Distribution, Transformers, Generators, Substations, Lighting and Small Power, Heat Trace Systems, Cathodic Protection, Grounding, Lightning Protection, Motor Control Systems and Flare Igniters.

Instrumentation Testing Facilities:

Kentech is equipped with both fixed and mobile Instrument Test Facilities as well as licensed and certified Metrologists and Instrument Technicians to service all instrumentation and GOST needs of the client. Services included valve testing and calibration utilising various sized test benches and a mobile unit which can be mobilised to the field as and when required. Various types of testing including but not limited to pressure and vacuum measurements, measuring of low, level and volume of liquids & Gases, thermos-physical and temperature changes, Fire & Gas detection & Verification, Control Valve testing, Safety Valve/Relief Valve Calibration, Pneumatic Valve Calibration

Onsite Instrument Maintenance and Modifications works include installation, maintenance, repair and testing of Fire & Gas Systems of various types, level, pressure, flow and temperature gauges and indicators, maintenance, repair and testing of Control, Pneumatic and Safety Valves. All maintenance scheduling, tracking and monitoring of the said devices are fully controlled by Kentech requiring minimum interface from the client.

Specialist Vendor Support Services:

As well as the aforementioned services Kentech also provides our client with Specialist Vendor Support Services. This includes

engaging the required contractor, outlining the required services, establishing contractors, and undertaking all required mobilisation and demobilisations actions to mobilise the contractor to site ready for its activities and demobilisation following his/her completion. Vendors mobilised include ABB, Lufkin, Brush, Therman, Siemens, Dresser, Kobelco, Hydrotight, CITech to name but a few.

Shutdown & Turnarounds:

As the primary E&I contractor for ENL on the Sakhalin 1 Facility Kentech has facilitated a number of Shutdowns and slowdowns on the various assets offshore and onshore to facilitate maintenance and tie-ins of various modifications and sub-systems. The largest Shutdown was undertaken in 2016 and was completed over one month duration. However planning and scheduling works were started in early 2015 and continued until the start date. Planning activities included a full assessment of all electrical systems conducted jointly by Kentech and ENL engineers and planners to identify the scope of works as per Regulatory and Safety requirements for testing of electrical distribution equipment. Following scope identification Kentech and ENL engineers developed all required inspection and testing procedures to be used as well as identifying task durations, manpower requirements, and equipment requirements, test equipment requirements and spare parts listings.

Kentech supplied approximately 80 technicians and support workers from its standard maintenance team as well as an additional 100 technicians mobilised to support an entire inspection and testing protocol of all distribution systems. Other activities included Heat Trace Systems testing and repair, Installation of temporary lighting within vessels to facilitate inspections and repair, and maintenance, testing and repair of various types of instrumentation. Additionally to the shutdown Kentech was responsible for the tie-in of a number of gas lifts on the Orlan Platform and tie-in of new modifications to the Chayvo Wellsite.

Local Content Commitment:

In addition to being a multinational employer, Kentech are committed to maximising the potential and resources of the region, and conducts its business by utilising the skills and expertise of the individuals, contractors and suppliers in the local area, with 90% of employees on the project being Russian nationals.

TURNAROUND, MAINTENANCE & MODIFICATIONS PROJECT PROFILE

MTAII - QATAR SHELL PEARL GTL.

SHUTDOWN AND TURNAROUND SERVICES.



LOCATION: RAS LAFFAN, QATAR
OPERATOR: QATAR SHELL GTL
DURATION: NOVEMBER 2015 - JULY 2016
CLIENT: QATAR SHELL GTL
SCOPE: ELECTRICAL & INSTRUMENTATION SHUTDOWN, TURNAROUND & MAINTENANCE SERVICES

Kentech successfully executed the complete Electrical and Instrumentation Maintenance Services to Support QSGTL Pearl MTA2 2016 (TAE&I) on time, within budget and to the satisfaction and appreciation of our client, Shell. During the course of the project, we expended over 276,000 LTI free manhours.

Our scope of work included TPSP (temporary power), planning, decommissioning, execution, commissioning and start-up the Turnaround (TA) event, at the worksite which is located within Ras Laffan Industrial City (RLIC) in the State of Qatar.

Kentech Qatar mobilized approximately 380 additional personnel to meet the MTA 2 target goals and achieved the target milestones for all aspects of the project. Kentech provided qualified management, planners supervision, trade labour, tools, equipment, to support the TA which included instrument maintenance / specialty turnaround services, electrical maintenance / specialty turnaround services, mobile

plant & equipment, minor projects support, plant changes and modifications, and unit / equipment shutdown maintenance (planned and unplanned) services.

Kentech also provided Management Services covering, but not limited to the provision of Temporary Services, HSE, QA/QC, and administration management support.

In addition, we provided support for critical path equipment maintenance to Siemens, on major compressor overhauls, similarly supporting ABB preventative maintenance activities and Flowserve in multiple works across these three blocks.

This is a major achievement for Kentech, following on from the highly praised performance on MTA 1 2015, where we had 70% of the scope, the award of the complete package, which was tendered in two lots, is a great recognition of the company's achievements in the region and the ongoing performance of our E&I and HVAC contracts at the QSGTL.