

106480-MEC-14589GQS-E-1980
Mechanical Commissioning Superintendent

Holds a B. Sc. in Mechanical Engineering, a Master in Management Science and a Diploma in Metal Corrosion & Protection. Has about 41 years hands-on experience working in commissioning and QA/QC.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/10/1956
Gender : Male
Marital Status : Married

EDUCATION

- : B. Sc. in Mechanical Engineering, Helwan University, 1980
- : Master in Management Science, Sadat Academy, 1998
- : Diploma Engineering in Metal Corrosion & Protection, Al-Azhar University, 2004

LANGUAGES

Arabic : Native Language
English : Good
French : Fair

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel), Internet

TRAINING COURSES AND CERTIFICATIONS

- : CSWIP 3.1 Welding Inspection - WIS 5 EG.
- : Aircraft manufacturing inspection course, Embraer Co. - Brazil (1985).
- : Welding technology course, Arabic Institute of Technology, A.O.I - Cairo (1989).
- : First middle east international quality assurance conference, Bahrain (1990).
- : Quality measurement tools calibration course - NIS (1993).
- : Painting & coating inspection course (1994), Arabic Institute of Technology, A.O.I - Cairo.
- : External & Internal quality system auditor, ISO 9000 - TUV (1995), Egypt.
- : Quality management representative course - TUV (1995), Egypt.
- : Visual inspection course for welding (1995), Quality Control Co.
- : Dye penetrant testing, Level II of ASNT.

- : Magnetic particle testing, Level II of ASNT.
- : Radiographic testing, level II of ASNT.
- : Ultrasonic testing level II of ASNT.
- : Environment QS auditor course - Cairo University (1999).
- : Environment QS lead auditor course - BSI (2000), Egypt.
- : Direct management skills, Training Petroleum sector - Egypt (2006).
- : API 510 (Pressure vessel inspection code maintenance) training course – Moody International - Egypt (May 2008).
- : Personal Survival Techniques, search and rescue on board offshore units - Arab Academy for Science, Technology & Maritime Transport (Jun. 2008).
- : Radiation and protection training course - National Institute of Standards - Egypt (Jun./Jul. 2008).
- : Management skills Training course - Petroleum Sector Training Centre - Egypt (2008).
- : Certification of achievement HSE and Safety performance, ABB Co. / Pakistan (2009).
- : HSEQ recognition award, OMV Co. / Pakistan (2009).
- : Induction training in Hydrogen sulphide safety, OMV Co. / Pakistan (2009).
- : Total Quality Management Skills training course - Petroleum Sector Training Centre - Egypt (Oct. 2010).
- : ASME Section IX Welding & Brazing training course - SA International - Egypt (Jan. 2013).
- : Advanced H2S Gas course - Level II - MAERSK H2S Safety Services - Egypt (Dec. 2017).

CHRONOLOGICAL EXPERIENCE RECORD

Dates	: From Aug. 2017 till Jun. 2020
Employer	: RINA
Project	: ZOHR ONSHORE GAS FIELD 2800 MMSCFD DEVELOPMENT PROJECT (PETROBEL / ENI - PORT SAID, EGYPT)
Job title	: Mechanical Commissioning Superintendent
Job Description	: <ul style="list-style-type: none"> • SCOPE OF WORK: The Commissioning & Start-up Lead is responsible for overall organizing and directing of the CSU team activities including co-ordination with contractors, sub-contractors, and suppliers. Coordinate mechanical equipment pre-commissioning, commissioning and start-up testing. Responsible for mechanical systems and components under care, custody and control of the commissioning team. Responsible for ensuring all safety procedures and policies are in place and adhered to for all mechanical systems and components under care, custody and control of the Commissioning Team. • Plan and conduct work requiring judgment in the evaluation, selection, application, adaptation, and modification of standard techniques, guidelines, procedures and criteria. Devises new approaches to start-up, maintenance, operation, or testing. • Provide supervision for a wide range of mechanical equipment and system testing & commissioning activities to the CSU team. • From an execution perspective, assure the preparation of CSU testing & commissioning procedures, work packs & documents is complete by team.

- Participate in walk down of systems for turnover from Construction to CSU to Client.
- Direct CSU Supervisors during testing & commissioning phase in support of System Engineers.
- Coordinate with Construction team during testing & commissioning phase to ensure safe execution.
- Work with CSU contractors, subcontractors, supplier representatives & other discipline teams during testing commissioning phase to ensure proper documentation of testing.
- Support LOTO activities by review during work preparation, and 100% compliance of equipment sign on/off during execution of work.
- Support home office activities, including input to the Execution Plan, Staffing Plan, CSU Strategy, etc.
- Work with Engineering during Model Reviews.
- Plan, schedule, conduct, or coordinate detailed phases of start-up, operations, or maintenance for a project, including reviews of designs for plant operability and safety and jobsite pre-commissioning and start-up assignments as directed. Perform work that involves conventional practice but may include a variety of complex features such as conflicting requirements, unsuitability of conventional methods, or difficult coordination requirements.
- Assist with the preparation of operations manuals.
- Plan, guide, or prepare project administrative and technical documents as required for start-up, maintenance, operation, or testing.
- Coordinate start-up between project engineering, construction, specialty staff groups, contractors, and vendors.
- Assume a lead role over other engineers for specific tasks as assigned. May direct overall start-up activities on specific assignments.
- Perform Job Safety Analysis (JSA) and toll box talk to executing the activities.
- Inspect and ensure all construction activities are completed prior to taking up the system for commissioning and ensure the setting up of safety procedures.
- Perform & guide various activities related to rotating equipment likes lube oil flushing, alignment, lubrication, vibration checks, start-up, etc.
- Perform & guide various activities related to static equipment likes proper installation of internal inside the vessels, tanks, columns, towers etc. as per drawing & specifications
- Perform & guide in air blowing, flushing, leak testing, drying & inerting of various piping.
- Perform & guide in various activities such as mechanical interlock, pipeline pigging activities, spring support, hot & cold setting.
- Assist in HAZOPS / SIMOPS Reviews.

Dates : From Nov. 2016 till Jul. 2017
Employer : BUREAU VERITAS CO. - EGYPT
Project : MARIDIVE 233 OFFSHORE PROJECT (M.O.P)
Job title : SR. STRUCTURAL & NDT ENGINEER
Job Description : • SCOPE OF WORK: Inspection, maintenance rational program (I.M.R) with cathodic protection retrofitting and marine growth removal for no.16 of Belayim offshore structures. BELAYIM PETROLEUM CO.

(PETROBEL) RED SEA - EGYPT.

- Inspection and survey work for 16 installations at Belayim offshore oil fields to collect data and take measurements on the jackets (above water) relevant to:
 - The geometry of the connections (brace-chord intersections).
 - Nondestructive testing (NDT) for the joint connections.
 - Defects of the connections (length & depth), damage & pitting survey (position, width & depth).
 - Out of straightness (distance & deviation).
 - Joints welding details.
 - The detailed geometry for the above water decks of templates & platforms related to elevation from the water surface at the low tide, dimensions, members section type and size.
 - Conductors location with respect to the center of the structure and detailed connections between the conductors and the structures (above water).
 - The equipment locations (C.G), dimensions (length, width and height) with its estimated weights.

Dates	:	From Mar. 2006 till Oct. 2016
Employer	:	Suez Oil & Gas Co. (SUCO)
Project	:	ZB, RB, RF, DS Oil & Gas Fields / Cairo Main Office - Egypt
Job title	:	QA/QC / Sr. Inspection Engineer / Inspection Mgr. / Assistant Maint. General Mgr.
Job Description	:	<ul style="list-style-type: none">• SCOPE OF WORK: Fire equipment's, pressure vessels, storage tanks, pipelines and piping work system and protective safety Devices, Suez Oil & Gas Co. (SUCO).• To implement, follow and manage QA/QC / Inspection staff & activities as follow:<ul style="list-style-type: none">- Welder and welding qualification tests.- Fabrication, welding & installation of steel structure, tanks, mechanical construction work and piping work.- Mechanical and destructive tests.- Visual inspection for welding.- NDT testing & interpretation for welding.- Dimensional check for fabrication, welding and erection steel structure, tanks, pressure Vessels, piping and pipeline activities.- Witness positive material identification (PMI).- Assessment of corrosion problems.- Field corrosion monitoring.- Hydrostatic testing & Pressure testing.- Offshore & Onshore sand blasting, painting, touch up, strip coating and Wrapping inspection.- Daily & weekly reports.- Prepare & implement on job training for existing and new inspection staff for NDT, Corrosion, pressure vessels, static equipment's & painting.- Auditing Co. & Subcontractors Quality & Env. systems as per ISO 9000 &14000 ST.

- Monitoring nonconformity, corrective action & preventive action Activities.
- Prepare & Review Inspection & Test Plan (ITP).
- Prepare & Review Work procedures & Instructions for fabrication, welding and erection of steel structure, tanks, vessels piping and pipeline.
- Knowledge in tenders' review, scope identification technical commercial terms, contract understanding.

Dates	:	From Nov. 2008 till Oct. 2009
Employer	:	ABB Process Solutions & Services S.p.A - Italy
Project	:	Sawan Gas Field Compression - OMV Co. / Pakistan
Job title	:	QA/QC Site Manager
Job Description	:	<ul style="list-style-type: none"> • SCOPE OF WORK: Civil work, Steel Structure work, piping work, Mechanical work (Static & Rotary Equipment), Electrical & Instrumental work, Wrapping, Painting & Insulation work, Pre-commissioning and Commissioning work. PROJECT, Engineering, procurement, supply, construction and commissioning of the Sawan gas field compression project at Pakistan. • To implement, follow and manage QA/QC/Inspection staff & activities as follow: <ul style="list-style-type: none"> - Civil Activities. - Earth & Buildings concrete works: <ul style="list-style-type: none"> ❖ Check of availability of document/drawing in last revision. ❖ Check and review the reinforcement mill test certificates. ❖ Check of the cement, aggregates and water test certificates. ❖ Check concrete mix design test certificates. ❖ Check on earth work: Topographic excavation check, compaction of bottom excavation level. ❖ Preliminary checks on concrete casting: Lean concrete, form works, reinforcements, all embedded items (conduits, pipes, ducts, etc.), water stop, joints and anchor bolts. ❖ Check during concrete casting: concrete class, type, slump test sampling, cube test sampling, concrete temperature, pouring method, compaction, vibration and check Line leveling after pour. ❖ Check after concrete casting: form works removal, final surfaces finishes, cracks or Damage. ❖ Check concrete curing: curing method and period. ❖ Check back filling: material approval, thickness layer, compaction and level. ❖ Final check for test report, documentation and punch list closing subject for final Dossiers. - Embankment: <ul style="list-style-type: none"> ❖ Check of availability of document/drawing in last revision. ❖ Check the material for embankment (fill, gravel, etc.), material classification and determination of the moisture density relation certificates. ❖ Check before the fill activities: elevation, slope, drainage, subgrade and layer field density test and surface finishing elevation/final level.

- ❖ Final check for test report, documentation and punch list closing subject for final Dossiers.
- Building finishing:
 - ❖ Check water proof and heat insulation.
 - ❖ Check electrical, telephone, instrumental works.
 - ❖ Check finishing works interior, exterior and roof as masonry, blasting, door fixing and Painting.
- Roads:
 - ❖ Check work execution and tests: position and routing, stripping, sub base, base Course canals, road crossing, bituminous mixes approvals, prime coat and asphalt.
- Steel Structure erection:
 - ❖ Check material certificates.
 - ❖ Check erection activities: foundation, bolted joints.
 - ❖ Tighten check, dimensional check, plumb and level check.
- Steel piping prefabrication and erection:
 - ❖ Check pipes, fitting & flanges material certificates.
 - ❖ Check and review welding procedure qualifications.
 - ❖ Check welder qualifications.
 - ❖ Check N.D.T technician's qualifications.
 - ❖ Check operating activities: welding material, welding equipment, visual & dimensional check of joints fit up and welding, checks NDT execution on welded joints.
 - ❖ Check post weld heat treatment (PWHT) if required.
 - ❖ Piping release to wrapping, painting and erection activities.
 - ❖ Check line completion and identification.
 - ❖ Check pipelines pressure tests and review test packs.
 - ❖ Final check for test report, documentation and punch list closing subject for final Dossiers.
- Fiber Glass Epoxy pipes (GRE):
 - ❖ Check of material certificates.
 - ❖ Check operating activities: Joint preparation, adhesive bonded joints.
 - ❖ Check line completion and identification.
 - ❖ Check pipelines pressure tests and review test packs.
 - ❖ Final check for test report, documentation and punch list closing subject for final Dossiers.
- Under Ground lining pipes:
 - ❖ Check on material.
 - ❖ Check pipes surface preparation, wrapping and painting application according specification requirements.
 - ❖ Release pipes spools to erection.
 - ❖ Check trenches preparation.
 - ❖ Check coating application and pipes lining, thickness coating and holiday test.
 - ❖ Check backfilling.
- Insulation:
 - ❖ Check insulation material for equipment's and piping.
 - ❖ Check before installation (completeness of welding, structural supports installation, surface treatment completion).
 - ❖ Check insulation and cladding activities.
 - ❖ Check the seals and overlaps.

- ❖ Check remedial work.
- Static and rotating equipment installation:
 - ❖ Check of subcontractor method of statement.
 - ❖ Check installation activities: equipment identification, civil work accuracy & cleaning, equipment positioning, elevation and leveling.
 - ❖ Check of shaft coupling alignment, grouting, anchor bolts tighten and earthing system connections for gas turbine and centrifugal compressor.
 - ❖ Check mechanical completion: air cooled refrigerant centrifugal pump, volumetric pump, diesel motor, gear box, fan and centrifugal compressor and oily transfer pump.
 - ❖ Check installation, level alignment for tanks, vessels, manual valves, in line filter, strainer, heat exchanger, air dryer, suction & discharge air cooler, inlet separators, fuel gas skid & generation package, fuel gas cooler-scrubber & heater, instrument & service air receiver.
- Electrical and instrumental cable installation:
 - ❖ Check installation activities: cable marking, correct positioning, fixing on racks, conduits, trays
 - ❖ Check cables sealing joints and fireproof compound.
 - ❖ Check of cables terminals connection and tighten.
 - ❖ Check of earthing connections.
 - ❖ Check mechanical completion (cable ways).
 - ❖ Check Pre-commissioning: HV, MV & LV Cables.
- Electrical Equipment's Installation:
 - ❖ Check installation activities: panels, identification and storage condition, correct positioning and fixing, cables sealing joints and fireproof compound, earthing connectors.
 - ❖ Mechanical completion checks: Dry power transformer, H.V and M.V switch gear, control panel, UPS board (direct & alternative current), battery set, distribution panel, junction box, lighting alternator, AC motors and socket system.
 - ❖ Pre-commissioning check.

Dates : From Mar. 2005 till Mar. 2006
Employer : Registro Italiano Navale (RINA Co.)
Project : Offshore / Onshore industrial installations
Job title : Industrial Surveying Engineer for inspection and certification
Job Description : Checking of design, supervision, and testing and trials during construction and installation, as well as in-service inspections, for the purpose of assessing performance and residual operating life in the field of offshore Onshore industrial & installations. Asset integrity assessment.

Dates : From Jul. 2003 till Feb. 2005
Employer : J.T.S Japanese Contracting Co. Ltd. - Libyan Branch a subsidiary Co. of JGC (Japan gas corporation), Tecnimont & Sufregazz
Project : Western Libya Gas & Oil Project, Desert Plant (36 wells), Job code 0-2465-20
Job title : Sr. Inspection Engineer

- Job Description** : To implement & follow Inspection activities as follow:
- Welder and welding qualification tests.
 - Fabrication & installation, welding, erection and alignment of steel structure & mechanical Construction work and pipe work.
 - Visual inspection for welding.
 - NDT testing & interpretation for welding.
 - Dimensional check for fabrication and installation for steel structure work.
 - Witness positive material identification (PMI).
 - Hydrostatic testing & Pressure testing for piping and pipelines.
 - Daily & weekly reports.
 - Auditing CO. & Subcontractors Quality & Env. systems as per ISO 9000 & 14000 ST.
 - Monitoring nonconformity, corrective action & preventive action Activities.
 - Prepare & Review Inspection & Test Plan (ITP).
 - Prepare & Review Work procedures & Instructions.
- Dates** : From Jun. 1994 till Jul. 2003
- Employer** : Quality Control Co., Opco Co. & First Co. for inspection & N.D.T of Petroleum projects and operations
- Projects** :
- Timsah gas pipeline, Petrobel Co., Port Said
 - Gas pipeline, San-Massr Co., 6 October City
 - Timsah Platform, Petrobel Co., Port Said
 - Pipelines welding Inspection, Gupco Co., Ras Shokeir
 - Pipeline repair welding inspection, Petrobel Co., Port Said
 - Gemsa upgrading Platform, Gemsa Co., Zeit bay
 - Pipelines, steel structure work, Tanks welding inspection and mechanical supervision, Petrobel Coat Abu-Rudis Abou Madi - Port Said fields
 - Fire equipment's, pressure vessels, storage tanks, pipe work system and protective safety devices, Suez Oil & Gas Co. (Suco), Zeit bay
- Job title** : Sr. Welding Inspector, Mechanical Supervisor, Sr. Plant Inspector
- Job Description** :
- Welder and welding qualification tests.
 - Review and check material receiving acc. specification and client requirements.
 - Fabrication, welding, installation and alignment of steel structure and mechanical construction work.
 - Visual inspection for welding.
 - NDT testing & interpretation.
 - Dimensional check for fabrication and erection of steel structure and piping work.
 - Hydrostatic testing & Pressure testing.
 - Offshore & Onshore sand blasting, painting, touch up, strip coating and wrapping.
 - Inspection.
 - Daily & weekly reports.
- Dates** : From Apr. 1990 till May 1994
- Employer** : Arab Inspection Co. for inspection & N.D.T. - KSA

- Projects** : Power Station units - Sea water desalination plants - piping & pipelines - Lifting Equipment's, fire equipment's, pressure vessels & storage tanks
- Job title** : Welding Inspector, Mechanical Supervisor, Plant Inspector
- Job Description** :
- Welder and welding qualification tests.
 - Receiving material inspection as per standards and client requirements.
 - Inspection for fabrication, welding installation and alignment of steel structure to power station and desalination projects.
 - Inspection for piping and pipeline fit up and welding work.
 - Visual inspection for welding.
 - NDT testing & interpretation for welding activities.
 - Hydrostatic testing & Pressure testing.
 - Daily & weekly reports.
 - Hot dip galvanizing inspection.
 - Auditing of quality & environmental systems as per ISO 9000, 14000 ST.
- Dates** : From Apr. 1983 till Apr. 1990
- Employer** : Arab Organization Industries A.O.I
- Project** : Kadder factory
- Job title** : QC/QA Engineer
- Job Description** :
- PRODUCTS: sheet metal & steel structure work as containers, vessels, tanks and Military products as armor vehicles, aircrafts, bombs and plastic products.
 - Welder and welding qualification tests.
 - Fabrication & installation of mechanical construction work and pipe work.
 - Mechanical and destructive tests.
 - Visual inspection for welding.
 - NDT testing & interpretation.
 - Dimensional check steel structure work.
 - Daily and weekly reports.
 - Assembly and alignment check.
- Dates** : From 1980 till 1983
- Employer** : Egyptian Army
- Project** : Military Service
- Job title** : Officer
- Field of experience** :
- Monitoring standard of fabrication, welding, installation, erection and alignment for steel structure, tanks, piping and pipeline carried out in accordance with specification as detailed in contract and drawing.
 - Check the material and equipment used are in accordance to specifications.
 - Carry out dimensional checks during steel structure, tanks, piping and pipeline fabrication, alignment, erection according related drawings, specification and client requirements.
 - Check, review, interpretation and witness PT, MPI, UT, AUT AND RT for welding of steel structure, tanks, pressure vessels, piping and pipelines according approved procedures and codes.
 - Understanding and using AWS, API, ISO, ASTM, ASMI AND ANSI standards for material receiving, fabrication, installation and erection,

welding and NDT, H.T and destructive tests.

- Supervision of qualification tests for welders.
- Responsible for supervision of all heat treatment requirements inspection during fabrication and installation, of all mechanical construction & pipe work and associated supports.
- Responsible for quality control, radiography and all other N.D.T testing & interpretation of test results.
- Responsible for sandblasting, painting, coating & wrapping inspection.
- Responsible for keeping welding records and daily reports.
- Onshore & offshore experience for storage tanks, pressure vessels, Separators, heaters, mechanical construction work, piping & pipe lines, decks, Jacket, piles, offshore platforms and lifting equipment.
- Quality appraisal of material and equipment.
- Planning and follow up internal and external audits and its corrective actions.
- Prepare & implement on job training for existing and new inspection staff.
- Knowledge in tender's review, scope identification technical commercial terms, contract understanding.
- Monitoring tenders technical and commercial evaluation.
- Inspection, maintenance rational program (I.M.R) with cathodic protection retrofitting and marine growth removal for offshore structures (templates and platforms).
- Pre-commissioning, commissioning and start-up testing for mechanical systems & subsystems for onshore gas project.
- Good oral and written communications skills.
- Ability to multi-task several CSU groups performing different testing and maintenance activities simultaneously while planning future activity and documenting results.
- Ability to track tasks and complete assignments on schedule.
- Understand the required result of testing, pay close attention to details of test, thoroughly document and delivery of test results in a timely fashion.
- Ability to plan and execute work in order to meet deadlines.
- Detail oriented and possess good organizational skills.
- Previous Start-up / Commissioning Experience in a Gas Plant Required and Previous experience in LOTO Systems and Training required.
- Good knowledge & experience in PTW, STARRT, JHA, LOTO procedures & practices.
- Good leadership skills & able to supervise mechanical equipment for testing, start-up and operations activity.
- Good knowledge of and prior experience in using Bechtel's SWPPs and STCPs to govern work activities.
- Good knowledge & experience of gas production equipment and mechanical equipment systems.