

One stop hub for Industrial Engineering,
Maintenance and Manufacturing Services



MANWEIR LLC

Member of Mannai Corporation QPSC



Content

About us	01
Manweir Ras Laffan	01
Manweir Facility Qualification	02
Advanced Machining Center	04
Electrical Repair Solutions	04
Heavy Mechanical Service Center	06
Valve & Instrumentation	06
Calibration Lab-Metrology	06
Welding & Fabrication Shop	07
Field Services	07
Other Services	08
Oil Field Products & Services Division (OPSD)	08





About Us

MANWEIR LLC, established in 1976, is a wholly owned subsidiary of Mannai Corporation QSC which is listed on the Qatar Exchange since August 08, 2007. Initially associated through a management and technical agreement with Weir Pumps of Scotland, Manweir's services are geared primarily to serve the Oil & Gas sectors including Petrochemical, Fertilizers, Marine & Power generation industries in Qatar and neighbouring GCC states. Two facilities situated at Salwa industrial area and Ras Laffan Industrial City, spanning over 66,000 sqm are center of excellence with state-of-the-art Machine tools including CNC Machines complete with a wide range of precision Inspection, Measuring & Test Equipment. Manweir is a reliable source for high quality, technically advanced & competitive value solutions. Committed to excellence with emphasis on customer satisfaction at all times, 24x7 services are offered by Manweir to meet urgent customer requirements.



Manweir Ras Laffan

In a constant endeavor to maintain its prime position, MANWEIR LLC has invested in latest technology at their new state-of-the-art infrastructure at Ras Laffan support services area. This facility has a superior technology advantage in supplying products and services that are unsurpassed in Quality and delivery at competitive prices.

Having made a commitment to invest in ourselves, we also stand firm on our commitments in meeting the needs and exceeding the expectations of our customers, our employees and our community by providing a rewarding, safe, and stable work environment for our employees and creating employment opportunities through sustained growth while adhering to an ethical code of integrity and trust in our business relationships.

Manweir's Ras Laffan facility covers a total area of 46,000 Sqm utilizing 7 overhead and gantry cranes with capacity up to 60 T. This is geared up to be a center of excellence for manufacturing needs.





Manweir Facility Qualifications

ISO 9001	: Quality Management Systems
OHSAS 18001	: Occupational health and safety management system
API Q1	: Quality Programs for the petroleum & natural gas industry
API 5CT	: Tubing & Casing Connections / Accessories
API 6A	: Wellhead & Christmas tree equipment
API 16 A	: Drill through equipment
API 7-1	: Rotary Drill Stem Elements
EXXON MOBIL APPROVED FACILITY	: As a conditionally acceptable supplier
VALLOUREC & MANNESMAN	: VAM TOP/(I)/KC/KX/HC/HC-NA, VAM FJL, VAM ACE, VAM SFC, VAM SLIJ-II, DINO VAM, VAM ATS-E, BIG OMEGA, TDS & BDS (Premium Connections/Accessories)
VAM DRILLING	: VAM EIS, VAM CDS, VAM Express (Rotary Shouldered Connections)
TENARISHYDRIL	: Atlas Bradford - TC-II/A, TC4S/A, ST-L NKK - TSH 3SB, TSH FJ2, TSH EL Tenaris - TSH ER, TSH Blue/A Hydril - TSH 500 Wedge Series, TSH WT Series, TSH PH4, PH6 & TSH CS, SEC FR, SEC ST (Premium Connections / Accessories)
NKK TUBES	: NKK - DSTJ NC38, NC40, NC46, NC50, 5-1/2" FH (Rotary Shouldered Connections)
NOV GRANT PRIDECO	: GPDS (DS 26-65) (API FH & NC), HT, XT, XT-M (Rotary Shouldered Connections)
NS CONNECTION TECNOLOGY	: NSCT / NSCC (Premium Connections / Accessories)
HUNTING	: SLHC, SLHT, SEAL LOCK BOSS, TSHD, SL APEX, SLSF, SLF (Premium Connection / Accessories)
BASEEFA	: IECEx CoC Certified Service Facility
AEMT	: A member of association of electrical & mechanical trades
JFETC STEEL CORPORATION	: JFE BEAR (Premium Connection / Accessories)
Pentair Flow Control GRISS	: Designated repair center for the overhaul & repair of Anderson Greenwood Crosby SRV/PSV
Safety Systems UK LTD.	: Authorized facility for service & repair of safety relief valves
FARRIS VALVE SYSTEMS	: Authorized facility for service & repair of safety relief valves
METSO Automation	: Authorized facility for service & repair of Control Valves
KITZ Corporation	: Authorized service center for all types of Line Valves
Siemens	: Authorized service center for repairs on Steam Turbines and Compressors under Siemens supervision.

Advanced Machining Center

Manweir's large Machine shops at the Salwa industrial area and Ras Laffan Industrial city are well equipped to cater to the needs of the Oil & Gas, Petrochemical, Power, Utilities and Marine industries. Manweir is geared with all types of heavy duty & precision machine tools including CNC machines, specializing in the machining and threading of OCTG including manufacture, repair & remanufacture of various oilfield equipment.

The fleet of CNC machines also includes the advanced 4 axis vertical machining center, 4 axis horizontal boring machine which could work as 6 axis with cogs drill attachments and Vertical turret lathe with machining capacity for components of size 144 inches Diameter .”

Manweir has added reverse engineering capabilities to its shop-floor services portfolio in managing to supply critical components/spares in case of urgencies to reduce equipment downtime. In-house highly skilled and competent staffs are well versed with the usage of the new generation of FAROArm CMM integrated with advanced CAD/CAM software solutions from Delcam to ensure all engineered parts are produced with precision care, perfect in all respects and fit for intended service.

Other activities include manufacture of special Fishing Tools, Centralizers, Scrapers, Jetting Tools, all types of Gears, Orifice Plates, Orifice Flanges, Drip Rings, Thermowells, Spades, Spectacle blinds, Tubing & Casing Drifts, Quick Union sets and various other pipe fittings including high pressure Autoclave fittings. The facility also specializes in repair & remanufacture of Slush pump modules.



Electrical Repair Solutions



Manweir offers complete set of electrical repair solutions such as Rewinding, Repairing, Overhauling of all types of Motors (AC & DC), Generators & Transformers including Explosion Proof/ Flame Proof designated motors. The facility is also geared for Transformer oil testing & analysis complete with purification & regeneration services.

Manweir provide electricians on 24x7 call-out basis to troubleshoot/ repair electrical equipment related to the marine, industrial & oilfield services for both offshore & onshore installations.

Manweir, a member of AEMT for more than 25 years, was recently audited by SGS Baseefa Ltd. UK and the facility was approved as an IECEx CoC Certified Services Facility for Repair & Overhauling of Rotating Machines & Enclosures designed for use in explosive monitored and controlled by qualified personnel trained in the repair and overhaul of EX Electrical Apparatus.

Summary of Electrical Shop Services

Specializes in Rewinding, Repairing/Overhauling of all types of Motors, Generators & Transformers including Explosion Proof/Flame Proof designated motors.

- High Voltage Induction Motors (AC) : 150 KW to 10000 KW – 3.3 KV to 13.8 KV
- Slip Ring Motors : 150 KW to 6000 KW – 3.3 K V
- Low Voltage Squirrel Cage Induction Motors : 0.5 KW -1500 KW (Low Voltage up to 1000 Volts)
- Submersible Pump Motors : 0.37 KW – 1000 KW (Low Voltage up to 1000 V)
- DC Motors : 1KW – 4000 KW (Low Voltage up to 1000 V)
- Transformers Step Down / Up & Auto Volt : 50 KVA – 5000 KVA (Low Voltage up to 1000 V)
- Generators AC / DC : 1 KVA – 5000 KVA (Low Voltage up to 1000 V)

Balancing Machine Capacity

Balancing Weight range – 2 Kg to 20 Tonnes. : Speed Range – 180 – 3600 rpm Length – 6 meters

Max. Dia. Swing over Base 63” (1600 mm) : Max. Dia. clearing motor of belt drive – 47” (1200 mm)

Dia. of rotor under the belt (belt drive) : Belt drive: 30mm-1600mm / End drive: Max. 2400mm

Transformer Oil Purification & Regeneration Services

The necessity for regular purification of electrical insulating fluids in electrical apparatus has been recognized for a very long time. Moisture, solids and gaseous contaminants can seriously affect the function of electrical insulating fluids as a coolant and insulator. The unit could be used for the processing (degasification, dehydration, filtration and de-acidification) of transformer insulating oil. The unit capacity is up to 3000 Ltrs /hour.

The unit is for on-site use to completely regenerate insulating oils in transformers. The use of the Regeneration Plant is in the removal of acidity, sludge, other soluble oil decay products and discoloration while leaving the oil with excellent oxidation stability and reduced gassing tendency. The regeneration unit works in conjunction with the purification unit and is mounted on a skid and could be moved to different location to carry out onsite processing.

High and consistent efficiency of this unit ensures complete treatment of oil to comply with IEC publication 296 for new oils. The oil processing capacity of this unit is 4000 ltrs per hour.

Transformer Oil Testing analysis

Manweir in conjunction with our sister company Gulf Laboratories has established a transformer oil testing and analysis facility to cater to the existing as well as the growing market requirement.



Heavy Mechanical Service Center

Skilled Technicians provide round the clock services for overhaul and refurbishment of all types of Static, Rotating and Reciprocating equipment maintenance, repair and overhaul (MRO) services. Siemens, A global powerhouse in electrical and mechanical engineering, has audited and authorized the Manweir Workshop as a facility equipped for repairs on Steam Turbines and Compressors under Siemens supervision.

Rotating Equipment MRO

- Performance and Material Upgrades
- Condition monitoring & Vibration analysis
- Onsite Laser Alignment services
- Reverse engineering capabilities
- HVOF spray coatings on shafts
- Dynamic balancing of rotors
- Cryogenic pumps repair & Overhaul
- Overhauling and Repair of Gear box



Static Equipment MRO

- Over haul and repair of shell & tube / Plate heat exchangers
- Re tubing of heat exchangers
- Repair and overhaul of columns
- Repair and overhaul of hydraulic & Pneumatic cylinders
- Repair and overhaul of BOP's and oil field ancillary equipment



The facility also undertakes refurbishment of all types of Mechanical Seals, Bucking/Torquing of tubing and casing premium connections complete with torque-turn graphs.

The pressure test bay is equipped with high pressure and high volume test units for carrying out pressure testing of equipment including availability of submerged/underwater gas test facility meeting API - 6A PSL 3G requirement. The facility is equipped with 60 ton OH crane capacity to handle heavy equipment.

Valves & Instrumentation



Manweir Instrumentation and Valve Shop specializes in repairs, overhauling and testing of all types of Instruments & valves such as control valves, pressure relief valves, safety valves & line valves up to 52 inch size. We also provide onsite maintenance services during planned shutdowns with well equipped portable workshops including Zone 1 compatible container with OEM trained competent technicians.

Manweir is a Designated Repair Center for the overhaul and repair of Safety Relief Valves manufactured by Anderson Greenwood Crosby of Tyco Flow Control Group, UK, IMI Bailey Birkett safety & relief valves, Farris Valve Systems, METSO Automation Control Valves and KITZ Corporation Line Valves.

Calibration Lab-Metrology

Specializes in Calibration, Verification, Servicing and Testing of all Precision Measuring instruments used in Electrical/Electronic/Mechanical devices for Linear, Pressure, Thermal & Torque measurements of both Analog & Digital types.

Facility is equipped to calibrate instruments with a capacity up to

- Pressure Gauges : 60,000 Psi
- Temperature Gauges : -200 to 1300 Deg C
- Torque measurements : 2000 Nm
- Linear measurements : up to 48 Inches



Welding & Fabrication



Highly skilled Fabricators and qualified Welders undertake all kinds of fabrication and welding works involving various procedures for Carbon Steel, Low Alloy Steels including exotic materials & Stainless Steel overlays to facilitate the repair and remanufacture of oil field equipment.

Facility is also capable of refurbishment of Stabilizers with cemented carbide dressing. Onsite fabrications and other general structural fabrication and welding services are also undertaken.

Manweir has the capabilities to fabricate a wide range of products such as:



- High pressure piping
- Chock manifold (15k, 10k & 5k)
- Sub Sea drilling templates
- 20/40 ft offshore containers
- Cargo containers and baskets
- Access platforms and stairs
- Cantilever decks
- Mud tanks, chemical tanks
- Recertification of containers and baskets for onshore/offshore
- Zone Rated Lab Cabins
- Various types of structural skids for onshore and offshore
- Burner booms (90/60 ft)
- Oil and gas Manifold
- Inter connecting piping and crossovers



Manweir provides below NDT services

- Magnetic particle test
- Dye Penetrant test
- Ultrasonic test including thickness gauging
- Positive Material Identification test

Field Services

Skilled Field Service Technicians are available on 24 hour call basis for both offshore and onshore locations to carry out installations, in-situ servicing, repairs, overhauls, and refurbishment of all types of static, rotating and reciprocating equipment, including wellhead maintenance, valve overhauling and instrument calibrations etc. Also available are the services of qualified coded Welders, Fabricators, qualified Welding Inspectors, skilled Machinists, Fitters, General Technicians, QC Inspectors, Valve Technicians, Instrument technicians, NDT technicians, Heat Treatment Technicians, Engine Mechanics, Electricians, Planning Technicians, Fork-lift Operators Spray Painters and general assistants.



Other Services

SPECIAL PROCESSES

Qualified welders undertake a wide variety of special processes including Corrosion Resistant Overlays/Cladding to facilitate the repair and remanufacture of valves and wellhead equipment; and refurbishment of stabilizers with cemented carbide dressing ground to gauge size on cylindrical grinder.

- **TAFAs High Velocity Oxygen-Fuel (HVOF).**
- **LDC Scandinavian Brush Plating process.**
- **Antigalling treatments.**
- **Hard banding of drill pipes.**
- **Hot tapping and line stopping services.**
- **Stress relieving with manual/automatic controls using Mannings Heat Treatment Center.**
- **Swaging & Expanding of Tubing & Casing ends.**
- **Mechanical Seal Refurbishment**



Oil Field Products & Services Division (OPSD)

This division is engaged in supplying the oil industry with equipment, tools and services required for exploration, drilling and production and of hydrocarbons. Through its association with international companies, this division markets products and services of leading oil field equipment manufacturers, suppliers and service companies.

The division also deals with the rental of Water Weights equipment complete with Water Bags, Load Cells, and Shackles etc. Various capacities of Water Weights such as 2t, 3t, 10t, 12t, 25t, 35t, 50t & 75 ton including 6 ton Life Boat Test Gear are available in-house on rental basis

Representation by Manweir (OPSD)

Principals



NOV Andergauge Drilling Systems

: Shock Tools, Agitators etc.



Det Norske Veritas

: Inspection & Certification



DNV Classification AS, Norway



TIW Corporation, USA

: Liner Equipment, Completions, Packers, Gravel Packers, Kelly/Safety Valves



GSP - Gulf Strategic Partners WLL

: Industrial chemical cleaning, Pre-commissioning solutions to Industrial & Process Plants.



S2M

: Magnetic Bearings for Rotating Equipment.
(STE De Mechanique Magnetique France)



TecPesa

: Hot tapping and line stopping services.



Quick Flange

: Cold alternate to weld flange and Pipes.



Zenith Structural Solutions

: Flare tip replacement services



MACOGA

: Engineered expansion joints



Fishbones

: Reservoir stimulation

our major clients...





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