



Products and Services



What we can do for you

Mesit is an EPC O&M company that operates in **Europe, Caspian, North Africa and Middle East**. The success obtained is mainly due to our extremely flexible organization and production line. Optimized quality (with nuclear certification) and technological development is what we offer to the whole construction and process industry.

With our strategic partner ETS we can give you the best manpower and field services in order to address your technical and organizational challenges powered with our **GCC branch GVA Dubai** and the

local Kazakhstani **ETS Mesit Caspian**. We can also provide local content with Mesit Algeria our entire Algerian branch.

Whether you want to invest in a new facilities or refurbish the aging infrastructure, call us to deliver you the best solution to meet your capital-investment requirements. With a very specialized workforce deployed on projects worldwide and 24/7 project-execution capabilities, we have the expertise to deliver projects with the quality and safety, what you are expecting.



ENGINEERING AND DESIGN

Mesit and his engineering partner **CCR** perform traditional and advanced engineering specialties and detailed design for various projects for their worldwide Clients including traditional disciplines, architectural, civil, electrical, mechanical, piping, and structural engineering including simulation, integrated automation processes, and interactive 3D and 4D modeling. CCR stable manpower includes 250 highly skilled technicians, mainly PhDs and engineers. The basic engineering production capacity, based on the permanent personnel, is around 500.000 h/y. The turnover of the Companies of the Consortium is 15 MEU/y.

PROCUREMENT

Our global procurement organization promotes project cost controls and schedule certainty by managing the purchase and delivery of materials, equipment, and services worldwide.



FABRICATION

We have engineered several customized instrumentation components for the process automation. Analogic and digital sensors for measure temperature, pressure, flow and level as: multipoint thermocouples, flow elements - Venturi tube, flow nozzle and flow meter, multistage restriction orifice, metering system - control network, level gauge and PC gauging systems. We also engineer and install instrumentation packages, signal, special application cables, heating reaching systems. Our fire fighting systems branch is ready to design the best solution for detecting gas and fire extinguishing systems with a worldwide contraction skilled team. We have a wise experience in EPC of turbogas for electrical and compression stations. Electrical equipment, tanks boilers silos and heat exchangers, pipelines skids, measurement process control valves, SCADA and DCS Systems to complete our offer.

MANPOWER, TECHNICAL ASSISTANCE AND PROJECT MANAGEMENT

GVA Dubai is currently operating from 3 main regional Hub's in the Kingdom of Saudi Arabia: Central Region, Easter Region, Western Region. Each region has its own centralized functions that include accommodation and transportation, along with more than 26 other divisions branched all over the Kingdom. We provide customized recruitment services in: **Bahrain, Libya, Kuwait, Qatar, Oman, Saudi Arab, United Arab Emirates (Abu Dhabi, Sharjah, Fujairah, Ajman, Dubai and Ras al-Khaimah)**. Our Mission Enabling and supporting businesses, families and workers in Saudi Arabia and GCC by adapting ambitious standards and introducing innovative solutions which help to achieve their goals with better efficiency and high quality.

SUPPORT AND TRAINING

ETS Mesit Caspian designs *ad hoc* training to enhance the performance of the project KPI, and the main risk. Our training is mainly targeted to get the Project Team to work effectively together, and achieve high performance. We do specialize in multicultural teams and offer our training modules in the field, at project start-up and offer a Project Coach for the duration of the project.

OPERATIONS AND MAINTENANCE

Our maintenance operates and maintains large, complex facilities.

References

Mesit provides a full range of integrated services to the global oil and gas production and processing industries. We serve the upstream, downstream and integrated petrochemicals. Whether building a gas power plant in the desert of Algeria or providing environmental compliance solutions to meet government regulations in a crowded city area in Italy, we have the global reach and expertise to execute challenging and complex projects. Mesit and CCR research and technological development and

advanced engineering services, typically operates in cooperation agreement with leader companies, with the aim at tackling national and international markets also with the development of innovative products. In addition to the internal resources, CCR has the availability of external staff, with specific competence in different fields, thanks to a proven network of cooperation with specialized companies, supported by specific cooperation agreement.



POWER

We designs I&A solutions for power plants using a variety of fuel sources including gas, nuclear, oil and coal. Our engineering staff have spent their careers executing power plant engineering and power plant construction projects. With our team of manpower, technical assistant, and project management we can provide a full EPC and packages.



GAS PROCESSING

Our extensive gas-related project experience includes: LNG Liquefaction and regasification; Gas Treatment; NGL Recovery and Fractionation; Unconventional Gas Production; CO₂, Nitrogen and Acid Gas Compression Systems, Enhanced Oil Recovery, and Reservoir Pressure Maintenance; Gas Compression Systems for Transportation, Underground Storage, and Reservoir Pressure Maintenance.



FIRE AND GAS

Our expertise in F&G installation includes: Fire & Gas Protection Products & Systems; Flame & Gas Detectors – Control Cards & Panels; Safety Automation Products & Systems; Evacuation Management Products & Systems; Emergency & Process Shutdown Systems (ESD); Instruments & Control Panels; Water based system; Gas based system; Foam & dry Chemical system; Equipment and skids; Pumping system.



PETRO/CHEMICAL

We are supplying chemicals and petrochemicals projects around the world, providing project management and process-technology solutions that span the lifecycle of a facility.

PRODUCTS REFERENCES



MANPOWER REFERENCES



ENGINEERING REFERENCES



Flow Elements

Differential pressure primary elements are part of our portfolio: Venturi Tubes, Wedge Meters, Averaging Pitot Tubes, Orifice Plates (Square-edged, Conical-entry and Quarter Circle, Concentric, Eccentric and Segmental), Orifice Carrier Ring Assemblies, Orifice Flange Assemblies, Compact Orifice Flow Meters Meter Runs, Flow Nozzles (ISA, Long Radius and ASME). All our primary flow elements are designed in accordance with the principles and requirements of international standards (ISO 5167/ISO TR 15377, API, ASME MFC, ASME PTC6, BS 1042, DIN 19206, UNI 10023). We offer calibration certificates in accordance with the ASME PTC6, ISPEL and IBR standards. With our extensive product range we are able to cover almost all industrial applications.

Extensive range of non-destructive examination methods including hydrostatic pressure testing, dye-penetrant, radiography and magnetic particle inspections (ASME VIII) and hardness survey (for example, Rockwell). Comprehensive certification and documentation available including PED 97/23/EC, material certificates (3.1B, 3.1C, NACE, etc.) and comprehensive welder and weld procedure qualifications (ASME IX and BS EN 288/287). Customized solutions can be developed to meet your specific needs. Our comprehensive range of DP primary elements is completed with a huge portfolio of secondary devices available including DP transmitters, temperature and pressure elements, flow computers and recording/control instrumentation.

Multistage restriction orifice



Orifice flange



Annular Chamber
16 inches

Flow nozzles are often used for flow testing on steam-raising plant. A flow nozzle measure higher flow rates than an equivalent orifice plate at the same design differential pressure.



Flow nozzle ISA A182 F316



Nozzle 22
inches ASME



Multipoint Pitot
Tube for liquid
and gas can be
used to calculate
flow in larger
ducts or in areas
of turbulent flow.



LNG PLANT
ARZEW ALGERIA

We supplied to joint venture Saipem and Chiyoda **Venturi tubes of 72 inches** for the Sonatrach single-train (GL3Z) gas liquefaction plant with a total capacity of 4.7 million tons of LNG per annum constructed in **Arzew**, about 400 km west of Algiers.



Thermoelements

Our customized all type of thermocouples and thermoresistances cost effective, have fast response times, broad temperature ranges and can fit almost anywhere. We produce:

- Insert Thermocouples (all types)
- Insert Thermoresistances (all types)
- Miniaturized Thermocouples
- High Temperature Thermocouples
- Cryogenic Temperature Thermocouples



Threaded well are available with a straight shank for longer wear and tapered to limit flow restrictions or when velocity considerations must be taken into account.



Skin thermocouples provide an efficient means of temperature measurement of tube walls in petrochemical plants and of boiler and super heater tubes in power plants. Made of metal sheath, MgO insulated thermocouple wire can vary from just a few feet to over 50. Shields may be added which curve around the pipe and over the junction and packed with a high temperature insulation to prevent heat from being transferred away from the junction thereby providing a more accurate temperature measurement. Expansion loops or coils compensate for movement as the tubes are subject to thermal growth. Mounting clamps can be welded along the pipe for additional security. Mesit fabricates tube skin thermocouples to the requirements based on your installation drawings.

- Ambient Thermoelements
- Skin Thermocouples
- High Pressure Thermocouples
- Multipoint Thermocouples
- Nuclear In-Core Thermocouples

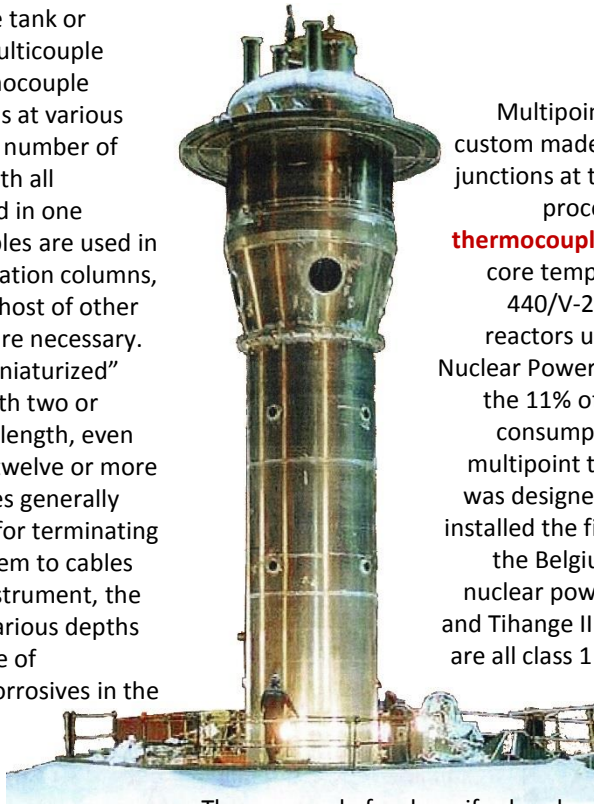
We also provide a calibration service ISO 5167 e ASME PTC6.



The **gasket thermocouple** can be attached to a stud welded to a surface or with a nut and bolt. The measuring junction is in effect the entire gasket area. Most frequently used to monitor surface temperature of machinery and engines.



Very often there is a need to measure a temperature profile across a large tank or vessel. The method used is the Multicouple which is an arrangement of thermocouple positions with measuring junctions at various depths. The intent is to monitor a number of temperatures at various points with all thermocouples or RTD's contained in one assembly. Multipoint thermocouples are used in catalytic crackers, limekilns, distillation columns, pressurized reactor vessels and a host of other applications where such profiles are necessary. These type assemblies can be "miniaturized" where they are three feet long with two or three sensors, or they can be any length, even over one hundred feet long with twelve or more sensors. Multipoint thermocouples generally consist of a junction box suitable for terminating the thermocouples and joining them to cables running back to the measuring instrument, the thermocouples arrangement at various depths and a pipe protection well capable of withstanding the pressures and corrosives in the vessel.



Thermocouple for degasify chamber

Multipoint thermocouples are custom made to locate measuring junctions at the key points in your process. Mesit **multipoint thermocouples** are measuring the core temperature of four VVER 440/V-213 pressurized water reactors units of the Mochovce Nuclear Power Plant that generates the 11% of Slovakia's electricity consumption. Our first in-core multipoint thermocouple system was designed, manufactured and installed the first time in the 80s at the Belgium's third generation nuclear power stations of Doel IV and Tihange III. The thermocouples are all class 1E following IEEE 323.

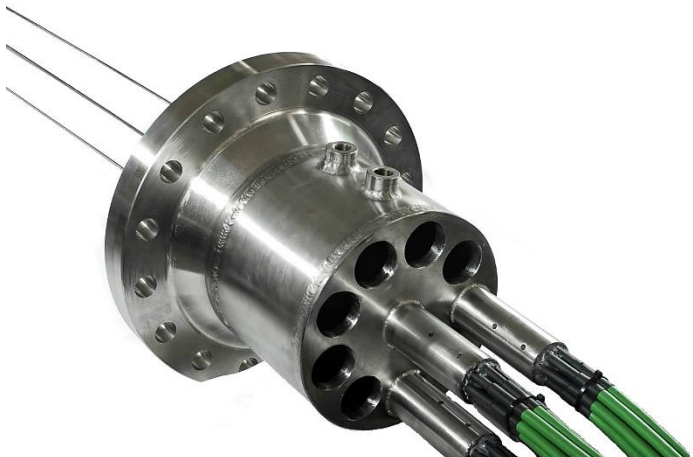


HYUNDAI



**FERTILIZE UREA REACTOR
MESAIEED QATAR**

Multipoint thermocouples installed on **Mesaieed Fertilize urea reactor** for **Saipem** and **Hyundai**. The **QAFCO-6** expansion to a designed capacity of 3,800 MTPD of urea **required 62 different points of measurement**. QAFCO has become the world's largest single site urea producer increasing the comparative annual production capacity to 5.6 million metric tons



Certifications

Mesit operates according to the international standard: NFPA, ISO, ASTM, ASME, ATEX PED, UE, CENELEC, GOST, with fire protection products certified UL/ULC, FM, GOST. Our Quality Assurance System is described in full details in a comprehensive set of documents: "The Quality Assurance Manual", which includes operating procedures and instructions. Mesit has a huge certifications quality assurance starting from Bureau Veritas, SGS Lloyds-RINA Register and:

- ISO 9001:2008 Ed.
- ISO 14001:2004 Ed.
- OHSAS 18001:2007
- 2014/34/UE (ATEX)
- 2014/68/UE (PED)
- ABSA, RINA, GOST, TR CU
- Cl.1 And IEEE 323 for NPP in-core Thermocouples and Thermoelements system design, manufacturing and installation certification
- thermocouples and heating cables irradiation test for the PEC Experimental Reactor (Brasimone-ENEA)
- thermocouples and heating cables irradiation test (1000 Mrad) at the PEC Experimental Reactor part of the Super-Phoenix Project (Brasimone-ENEA)
- design, engineering calculations and Stress Analysis Reports According to ASME III NB (Class 1 components) Doel IV and Tihange III (Belgium), Cernavoda (Romania)
- Calibration
- Welding 5F-6G in compliance with ASME IX on nuclear reactors Doel IV and Tihange III
- Classified temperature and flow measurement elements Mochovce NPP (Bratislava)
- Fiscal fed-water Venturi tubes and flow nozzles



MAIN QUALIFICATIONS



CSQ H&S CERTIFICATO N. 0192.MST1 MESIT SRL CORSO ITALIA 16 - 20122 MILANO (MI) UNITA OPERATIVE LOCALITÀ VAIANA SNC - 25059 VEZZA D'OGGIO (BS) VIA FONDUOLO 2/4 - 25059 VEZZA D'OGGIO (BS) VIA DEL PRATI - 25048 D'OGGIO (BS) E' CONFORME ALLA NORMA ISO 9001:2015 CERTIFICAZIONE N. BS 0384 18001:2007

PASCAL ATTESTATO APPROVAZIONE SISTEMA GARANZIA QUALITA' TOTALE Total Quality System Approval Certificate (Module H) N° D18 - 87/23/CE-H Rev. 1 FOGLIO 0 / 3 PASCAL ORGANISMO NOTIFICATO N. 1115

PASCAL ATTESTATO APPROVAZIONE SISTEMA GARANZIA QUALITA' TOTALE Total Quality System Approval Certificate (Module H) N° D18 - 87/23/CE-H Rev. 1 FOGLIO 0 / 3 ALLEGATO I Table with columns: Componente, Descrizione, UNI, EN, EN ISO, EN ISO, Normativa

PASCAL ATTESTATO APPROVAZIONE SISTEMA GARANZIA QUALITA' TOTALE Total Quality System Approval Certificate (Module H) N° D18 - 87/23/CE-H Rev. 1 FOGLIO 3 / 3 Table with columns: Descrizione, Specificazione, U.N., Finitura, Misura, Unità

СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р ФЕДЕРАЛЬНОЕ АГЕНТСТВО ПО ТЕХНИЧЕСКОМУ РЕГУЛИРОВАНИЮ И МЕТРОЛОГИИ СЕРТИФИКАТ СООТВЕТСТВИЯ № РОСТ.Т.484.А.5152

RINA MESIT S.r.l. QUALIFICATION REPORT OF TEMPERATURE ELEMENTS SAFETY CLASSIFIED CLASS III FOR THE UNIT 3 & 4 OF MOCHOVCE NPFF REV.00

RINA CERTIFICATO DI OMAGGIOZIONE DI TIPO N. ELE421996C MESIT SRL Località Vaiana 25059 Vezza D'oglio (Bs) ITALY

ABSA Mesit Srl 5410 - 29 Ave N.W. Edmonton, Alberta, Canada T6R 0A7 Tel: (780) 437-0100 / Fax: (780) 437-7287

BUREAU VERITAS Certification MESIT SRL MITTEL EUROPEAN SENSORS INSTRUMENTS TECHNOLOGY SRL HEAD OFFICE C.so Italia, 16 - 20122 MILANO (MI) OPERAZIONE SITE Località Vaiana, snc - 25059 VEZZA D'OGGIO (BS)

Nuclear Power Plant quality

ENGINEERING

We have an extensive experience in nuclear industry to assist Clients in developing all the control system of the next generation of nuclear power. With our engineering branch **CCR** provides all the engineering solutions and **Mesit** realizes a full range of automation, instrumentation and control applications for operating nuclear plants.

AUTOMATION

We provide a full range of automation, instrumentation and control solutions for operating nuclear plants. Our solutions improve the reliability of your plant control and safety systems through an integrated, plant-wide approach consisting of product development, design and assembly and testing of advanced I&C products, including control system component services, support and training. Our approach is to minimize total plant life-cycle costs and troubles through maintenance, improvements, and upgrade strategies specific to each plant's long-term needs.

INSTRUMENTATION

Mesit is committed to providing customers support throughout the life cycle of the control and safety systems of their plants. We have a long reference list that demonstrates our well-earned reputation for on-time, on-specification and on-budget project execution. We are the producer of several **customized instrumentation components** for the process automation.

NPP	Location	Nation	End user
Mochovce Unit 3&4	Mochovce	Slovakia	Slovenske Elektrarne
Superphoenix	Cley Merville	France	Novatome
Cirene Project	Latina	Italy	Nira
CNEA PIAP	Arroyto	Austria	Sulzer
Electrobel	Tihange - 3	Belgie	WNI
Tractionel	Doel - 4	Belgie	WNI
Belgie Romanergo	Cernavoda	Romenia	Ansaldo Nira
OECD	Halden	Norway	AGIP Nuclear

COMPONENTS

- Electrical Parts
- I&C Control and Protection Systems
- Multipoint thermocouples for the reactor
- Flow elements and Venturi tube
- Flow nozzle and Flow meters
- Multistage restriction orifices
- Metering systems
- Valves

ENGINEERING

- Power Plant Design
- Plant Modifications and Development
- Enhanced Safety
- Innovative Power Plant
- Decontamination & Decommissioning

AUTOMATION

- Components/Parts
- Control Systems
- Diagnostic and Monitoring Systems
- I&C Modernization
- Nuclear Instrumentation System



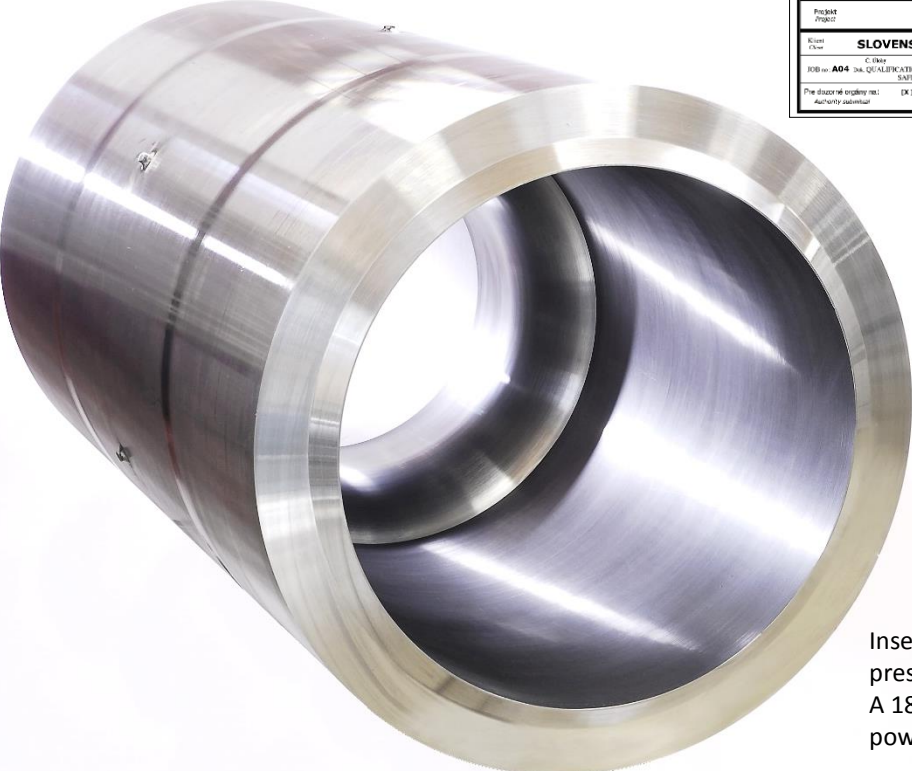
NUCLEAR POWER STATION MOCHOVCE SLOVAKIA

Mesit supplied to **Slovenské Elektrárne** thermoresistance class II and III, thermowell for the local controls station Eex-d and thermoresistance for fan SPIG, flow elements as flange, flow nozzle, annular chamber, restriction orifice, multistage restriction orifice, meter run flow nozzle ASME PTC6 calibrated, meter run flow nozzle ISO 5167

calibrated, meter run flange taps ISO 5167 calibrated. Our multipoint thermocouples are measuring the core temperature of four VVER 440/V-213 pressurized water reactors units of the **Mochovce** Nuclear Power Plant that generates the 11% of Slovakia's electricity consumption.



MESIT		JE MOCHOVCE/MOCHOVCE NPP Dostavba 3. a 4. bloku/Completion of Units 3 and 4		Cislo dokumentu / Document No: QP-016-18	
SLOVENSKÉ ELEKTRÁRNE		SLOVAKIA		Dátum vydania / Issue Date: 29.06.2011	
Kvalifikačný program pre prvky prietoku bezpečnostnej triedy II / Qualification Program for Flow Elements Safety Class II		Kvalifikácia / Qualification		Strana / Page: 1 / 23	
Stav / Status	Stav / Status	Stav / Status	Stav / Status	Stav / Status	Stav / Status
APPROVED			A248784 A248784		
ENEL		SLOVENSKÉ ELEKTRÁRNE		PNM34116223	
Predbežná II / SRC na: D1 Schválenie pre apróval		Len pre informáciu pre informáciu only		Nepožadované / Not requested	
Projekčný systém		Typ dokumentu / Document type		Dizajnový / Drawings	
Schválenie je v súlade so štandardmi EN 10204-2:2004 a EN 10204-3:2004. The approval refers to the technical requirements and clauses in the approved drawings only. All other requirements are not covered by the approval.		The approval refers to the technical requirements and clauses in the approved drawings only. All other requirements are not covered by the approval.		Project / Project	
MOCHOVCE POWER PLANT Completion of Unit 3 and 4					
SLOVENSKÉ ELEKTRÁRNE					
Kvalifikácia / Qualification		C. blok / Unit 3		SLOVENSKÉ ELEKTRÁRNE	
Kvalifikačný program pre prvky prietoku bezpečnostnej triedy II / Qualification Program for Flow Elements Safety Class II		Kvalifikácia / Qualification		SLOVENSKÉ ELEKTRÁRNE	
The document is for information only. / Schválenie je len pre informáciu.		Len pre informáciu / For information only		Nepožadované / Not requested	



Insert flow nozzle for high pressure temperature ASTM A 182 F 22 for nuclear power station application.

Gas Treatment Packages

The main purpose of Gas Treatment Packages is to filter, meter, heat and reduce the pressure, ensuring that clean and dry gas is delivered to the downstream user such as gas burners, gas-driven equipment (turbines, compressors), at the required pressure and temperature.



Mesit EPC operation and management services for gas processing and gas treating packages include feasibility studies through detailed design, permitting, construction, training, program management and initial operation. Our extensive gas-related project experience includes:

- LNG liquefaction and LNG regasification
- Gas treatment
- Gas measurement
- Gas separation
- Gas filtration
- NGL recovery and fractionation
- Unconventional gas production
- Air Driers, Twin Towers type
- Air Driers, Membrane Type
- Nitrogen Generation Packages
- Nitrogen Generation Systems, Cryogenic Technology
- Liquid Nitrogen Storage and Vaporization
- CO₂, Nitrogen, and Acid Gas Compression Systems for Sequestration, Enhanced Oil Recovery, and Reservoir Pressure Maintenance
- Gas Compression Systems for Transportation
- Underground Storage, and Reservoir
- Pressure Maintenance
- Hydrogen Production – Steam Reforming
- Hydrogen Purification – Membranes
- Hydrogen Purification – TSA

Main packages for Gas Treatment are:

- Fuel Gas Conditioning Systems
- Gas Pressure Reducing Stations
- Metering Systems (Orifice, Coriolis, Ultrasonic) and Analyzers

Key Features of Mesit systems are:

- High flexibility on the inlet conditions
- High efficiency of the systems
- Low operating costs



DEGASSING STATION ZUBAIR IRAN

Project scope was the development of the **Front End Engineering Design for a new Oil Degassing Station (DGS)** and rehabilitation of an existing one at **Zubair field, Iraq**. The Zubair field – being developed by Eni with Occidental Oil Co., Korean Gas and **Missan Oil Company** – with an estimated production capacity of 1,200,000 BOPD is one of the few super giant oil field presently discovered worldwide.



Fire and gas fighting systems

MESIT
PRODUCTION

Fire and gas fighting systems are tools for safeguarding process plants and production facilities that handle flammable and toxic materials. We assist our clients in the design, implementation and testing of these systems our service. include assistance in all phases of the fire and gas system lifecycle based on our unparalleled expertise, process knowledge and overall risk analysis capabilities including:

- Fire and Gas Protection Products and Systems
- Flame and Gas Detectors
- Control Cards and Panels
- Safety Automation Products and Systems
- Evacuation Management Products and Systems
- Emergency and Process Shutdown Systems (ESD)
- Instruments and Control Panels
- Water based system
- Gas based system
- Foam and dry Chemical system
- Equipment and skids
- Pumping system

Fire and gas detection and mitigation systems are key to maintaining the overall safety and operation of industrial facilities. Maintaining a high level of process and plant safety is always our first critical concern. They include off-shore petroleum exploration and production, on-shore oil and gas facilities, refineries and chemical plants, marine operations, tank farms and terminals, pipelines, power plants, mining and paper mills.

- Water Based System
- Gas Based System
- Foam and Dry Chemical System
- Deluge and Sprinkler System
- Water Mist System
- Foam Bladder Tank Unit
- Load, Mid, High Expansion Foam Generations
- Halon Alternative Gas Systems (*NAF S III, Inergen, FM200, Argon Based, Nitrogen*)
- CO2 Low Systems
- CO2 Low Systems
- Dry Chemical Skid Units
- Twin Agent Skid Units
- Manual and Electrical Controlled Monitors from 21/2" to 10"



OIL PUMPING STATION BENI MANSUOR ALGERIA

Detection Control Panel,
Detectors UV/IR, DT, DF, BP, Gas
detector, Extinction Water
Sprinklers and CO2 skid

OIL PRODUCTION PLANT MESDAR ALGERIA

Revamping of
the Detection and Self
Extinguishing Fire System



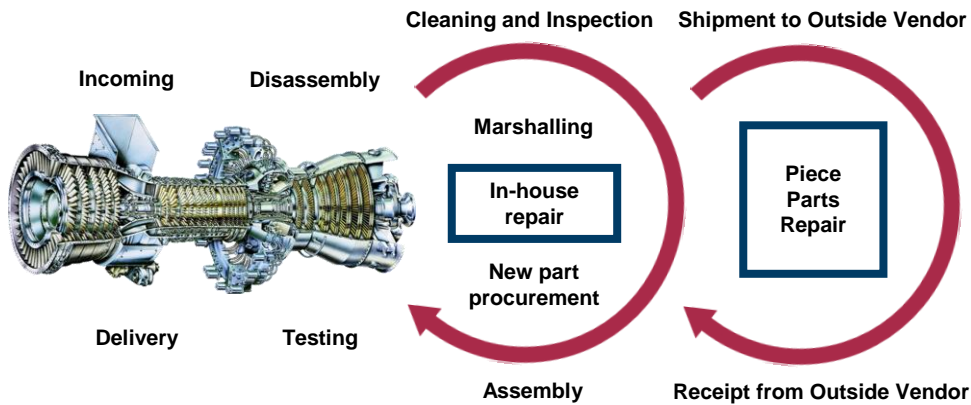
POWER PLANT IN AMENAS ALGERIA

Revamping of the Detection and
Self Extinguishing Fire System

Operation and Maintenance

Mesit has a large experience in gas and steam turbine services field engineering, maintenance scheduling and planning, technical support and consultation, troubleshooting and analysis, work and

bid scope development. We also provide turbine project management (gas and steam), project schedulers, project controls, project estimating and cost tracking, outage planning and modeling.



SERVICE

- Scheduled inspections
- Package repair/exchange of package and subsystem components
- control maintenance
- sensor and instrumentation calibration

UPGRADE

- Installation & Integration of new skids (water injection)
- structural modifications (e.g. LM6000PA to PC conversion)
- integrated modifications (e.g. SAC to DLE upgrade)
- fuel System Conversion (e.g. liquid to gas)

RELOCATION

- Participation in the package aftermarket sales
- moving packages from one site to the other, often combined with a package upgrade



SPECIALIST SERVICES

- Generator
- Vibration Specialist for data acquisition, analysis, recommendations, and balancing
- Hydrogen Seals
- Alignment
- Boroscope inspections
- Shop surveillance and expediting

TESTING

- Testing under real load conditions (mechanical shaft load) by using a 10MW generator
- Digital data recording of all relevant parameters
- Vibration analysis
- Trim Balancing
- Remote access for monitoring (witnessing of test data)
- Emission measuring for DLE gas turbines
- Combustor plotting



QUALIFICATIONS

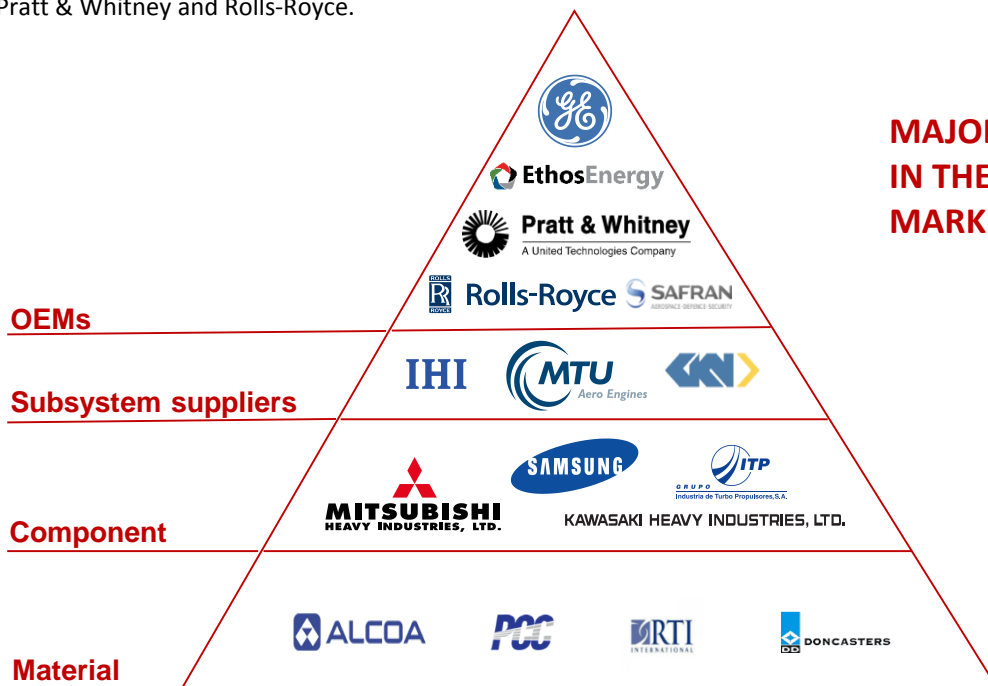
- FAA-approved Repair Station
- EASA- /LBA- approved Maintenance and Production Organization
- ISO 9001:2008, EN 9100:2003 Quality Management Certification
- DIN ISO 14001:2004 Environmental Management Certification
- BS OHSAS 18001:2007 Health & Safety Management Certification
- Field Service Staff SCC** approved
- Registered supplier in Achilles database
- JQS Joint Qualification System



MTU Maintenance is the world's largest independent provider of commercial engine maintenance, repair and overhaul services in terms of sales. **is a GE-Level IV Authorized Shop** for: hot section replacements/refurbishment, overhaul/repair of gas generators & power turbines, customized work scopes, engineering support. The company is a valued and trusted partner to all of the big players in the industry: GE, Pratt & Whitney and Rolls-Royce.

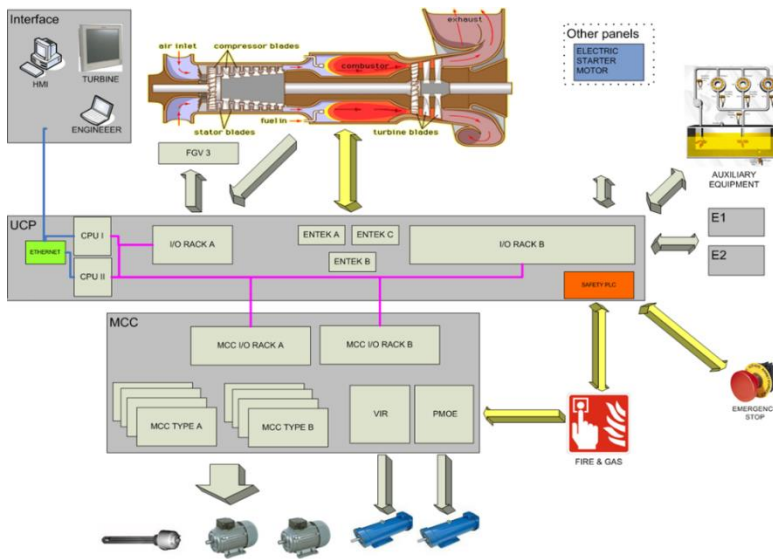


As the largest, global independent provider of field services, we have extensive experience servicing aero derivative, light industrial and heavy industrial gas and steam turbines, pumps, compressors, generators, reciprocating machinery and all ancillary equipment.



**MAJOR PLAYERS
IN THE ENGINE
MARKET**

Gas turbine control system



MESIT@1 PLC

has many drawbacks:

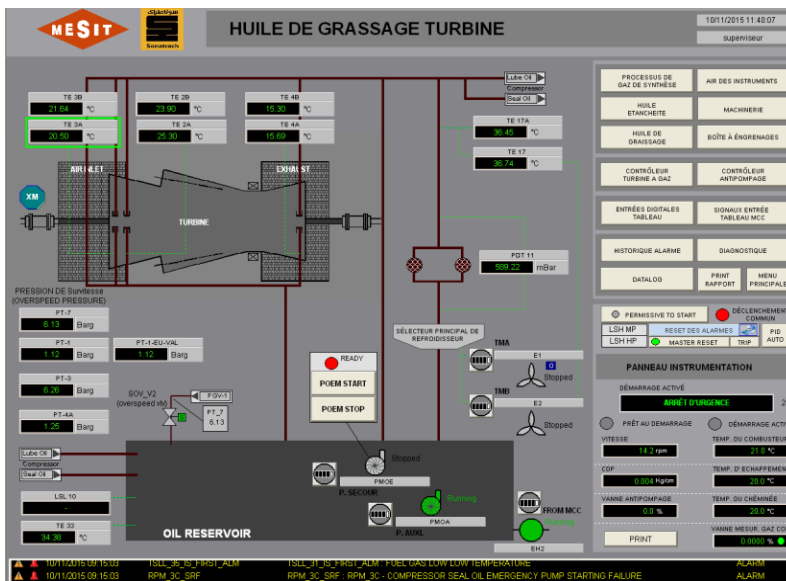
- the gas generator manufacture owes the control algorithms and do not share them with the customer
- the interconnection of those systems many signals are required
- these interconnections introduce latencies
- feedforward actions are hard to implement within this architecture due to the high cost of new interconnecting signals
- different hardware platforms drive to high maintenance costs (spare parts, configuration software, know-how, etc).

FLEXIBLE AND AVAILABLE

The **Mesit@1 PLC** is an open source platform for multiple applications. Flexible and is open allowing you to complete plant solutions delivering advanced performance, operability, and availability.

OPEN SOURCE

An open source software suite **Mesit@OS** is used with the **Mesit@1 PLC** and related systems for programming, configuration, trending, and analyzing diagnostics. It provides a single source of quality, time-coherent data at the controller and plant level to understand and adjust how your plant is operating in real time.



WIDE PLANT CONTROL

The **Mesit@1 PLC** provides single plant control for your most valuable asset, enabling comprehensive, connected plant automation. It offers a common hardware and software platform and common configuration for both safety and control. In addition, maintenance, diagnostics, spare parts, logistics, alarms, databases, and training are required for just one system simplifying operations.

TYPICAL SENARIO

In the world of the gas turbine control system, a typical scenario depicts a dedicated control system mating the gas turbine itself, or even only the gas generator. Sometimes there are plenty of different control systems to control Gas generator, the power turbine, the compressor and the auxiliary subsystems, together with those systems aimed to protect the machine against vibrations, displacement and over speed. Example: a dual shaft gas turbine driving centrifugal compressor. this system could typically be built with the following controllers:

- MK V/VI controller of the gas generator;
- PLC used to control the power turbine and the auxiliary systems;
- controller (such as CCC) to manage:
 - 1) the antisurge protection of the centrifugal compressor,
 - 2) the performance control of the centrifugal compressor
 - 3) the load sharing of the centrifugal compressor within a set of many compressors.

OUR SOLUTION

Our approach is algorithm driven. The focus is to use strongly tested control algorithm covering all the aspects of the system (ranging from the fuel control of the GG to the antisurge valve of a centrifugal compressor), implementing it on a single powerful PLC system, choosing the brand together with the customer.

Our approach is based on:

- a library of control algorithm, written in a platform independent language
- engineering phase for selecting proposer control algorithm to cover all the controls
- methods for interconnecting algorithm
- methods for implementing algorithm within the chosen PLC
- methods for performing dynamic simulation to test the control capabilities of the system.



EPC NEW GAS GENERATOR IN AMENAS ALGERIA

In **Amenas** is the largest wet gas development project in Algeria with four primary gas fields. We provided the EPCI of a complete brand new **8.2 MW turbo alternator**.



EPC REVAMPING GAS COMPRESSOR HASSI MESSAOUD ALGERIA

Replacement of Unit R200 **Fiat TG7** gas turbine in **Hassi Messaoud** Refinery that has a crude oil processing capacity of 1.1 million tons per year.



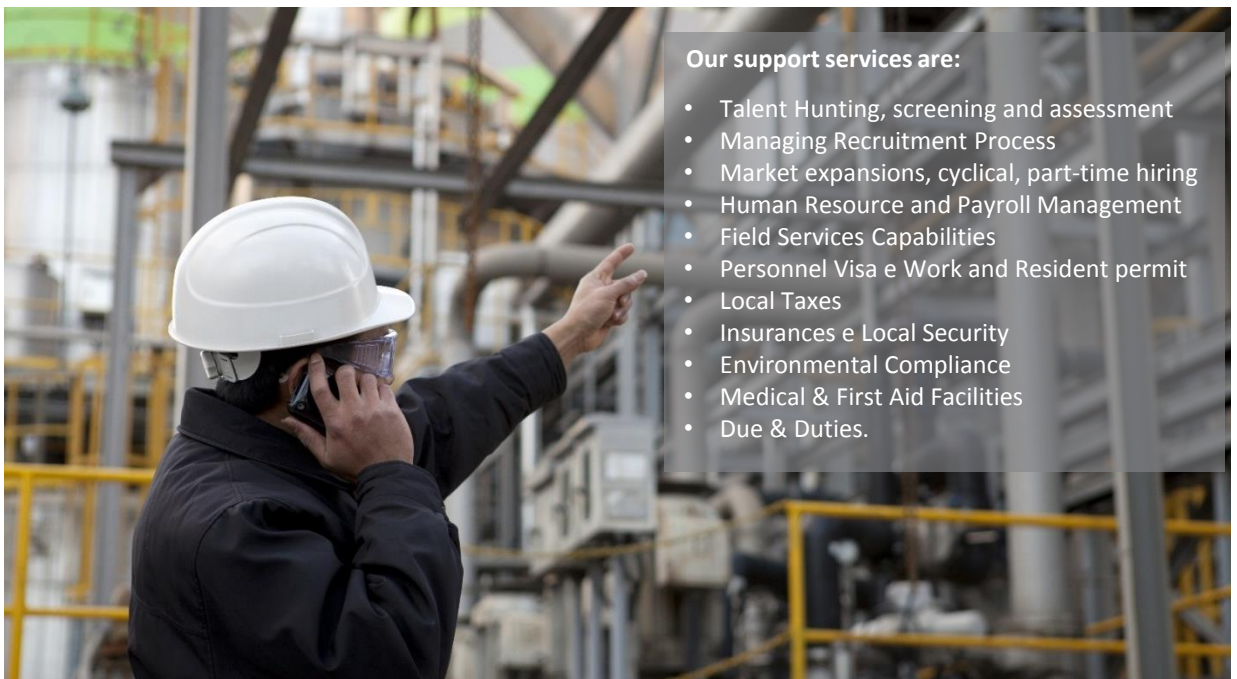
Manpower and Field Services

GVA Dubai brings to you one stop expert recruitment solutions for fulltime RPO (recruitment process outsourcing) or requirement based hiring aid. Our timely and cost-effective HR solutions are guaranteed to drive better results. The services are tailor made to suit the nature of your business and industry standards. We have been setting trends in this industry, with our primary focus lying on the sole objective of achieving Client's satisfaction at all costs by providing the most timely and accurate services and being flexible as per requirements. With a database of over 50,000 highly-skilled professionals, **GVA Dubai** provides individual specialists and teams in order to address your technical and organizational challenges. Our team supports your projects providing tailored services specifically planned with your key staff to increase efficiency, reduce costs and address the

arising project challenges. Our professionals will participate in the definition of procedures and we can provide the specific software to support the activities in:

- Project Management & Control
- Office & Field Engineering
- Construction
- Pre-commissioning and Commissioning
- QA/QC and HSE
- Operation and Maintenance
- Training
- Drilling, Completion and Work Over

We support plant construction and O&M in Oil&Gas, Refinery, Chemical, Petrochemical, Fertilizer, Steel, Telecom, Water Treatment, Port, Infrastructure and Mining.



Our support services are:

- Talent Hunting, screening and assessment
- Managing Recruitment Process
- Market expansions, cyclical, part-time hiring
- Human Resource and Payroll Management
- Field Services Capabilities
- Personnel Visa e Work and Resident permit
- Local Taxes
- Insurances e Local Security
- Environmental Compliance
- Medical & First Aid Facilities
- Due & Duties.

We are focused to consistently improve the high quality and safety standards of personnel to run a safe and more quality conscious business:

- wide choice of manpower and greater working prospects
- hassle-free recruitment of the best professionals
- long term manpower supply contracts agreement with fix price per day/month for years period
- offshore onshore manpower supply services
- offshore BOSIET OPITO training & certifications
- after service support for documentation

- attestation and visa processing
- depth knowledge of the strengths and weaknesses of manpower from various countries
- ability to attract through correct and transparent compensation
- close coordination with client for selection, trade test and interview
- providing candidates and employers opportunities in line with project experience, cultural and language preferences
- sound know-how of local legal requisites.

GVA Dubai gives you **Technical Assistance** on construction, pre-commissioning, commissioning, project control, QA/QC and HSE, operation and maintenance. We provide individual specialists as well as teams to support the technical challenges faced by our clients on mechanical, piping, electrical, instrumentation, rotating machines, furnace, HVAC, marine, lifting and maintenance:

- Instrumentation Supervisor
- Health Club Supervisor
- QA/QC Telecom Inspector
- QA/QC Electrical & Instrumentation Inspector
- QA/QC Electrical Inspector
- QA/QC Instrumentation Inspector
- QA/QC Supervisor
- Work Permit Receiver
- HSE Supervisor, Manager
- Commissioning
- Risk Management
- Drilling Supervisors
- Drilling Fluids Supervisors
- Tool pushers
- Logistic Specialists
- Pre-commissioning Engineer
- Telecom Engineer
- Electrical & Instrumentation Engineer
- Mechanical Engineer
- Civil Engineer
- Planning Engineer
- Safety Engineer
- Inspection Engineer
- Piping Engineer
- Maintenance Engineer

- Operations Engineer
- Computer Maintenance Engineer
- Software Engineer
- Hardware Engineer
- Structural Steel Engineer
- Computer Programmer
- Draftsman

GVA Dubai provides **Project Management** expertise in terms of single resource or teams. Our teams are used to work together and proven, our management is focused in understanding the challenges of the project and ensure our service is continuously aligned with customers priority:

- Project Manager
- Project Control Manager
- Project Material Manager
- Supply Management Manager
- Planner Engineer
- Cost Control Engineer
- Risk Manager
- Risk Engineer
- Environmental Engineer
- Project Contract Manager
- Contract Engineer
- Contract Administrator
- Invoicing Controller
- Quantity Surveyor
- Document Controller
- Document Service Assistant
- Project Engineer
- Technical Director



Saudization and Emiratization

In our efforts to support the national Saudization and Emiratization programs, we work towards meeting our Clients' quotas and develop alliances with organizations across the GCC Countries to enrich their Emiratization and Saudization Talent pool. By leveraging our local expertise, we can attract qualified candidates, developed partners and dedicated consultants who partner together to support the growing demand of qualified local candidates. The Emiratization and Saudization initiative harmonized with the national strategies and directives of the UAE Government and Saudi Arab Kingdom is part of our strategic goal to maximize employment of UAE and Saudi Arab Nationals. The

Emiratization and Saudization team conducts workshops throughout the UAE and Saudi Arabia to provide graduates with the resources to develop their CVs and gain expert advice on their career path. Our commitment to helping Emiratis and Saudis finding their ideal job and our expertise in the world of work has attracted many organizations to join forces with us on this project. GVA Dubai has partnerships within a global network of companies who can provide exciting opportunities for Emiratis and Saudi. Our expertise in the local employment market means that we deliver the very best local talent to all our corporate partners.



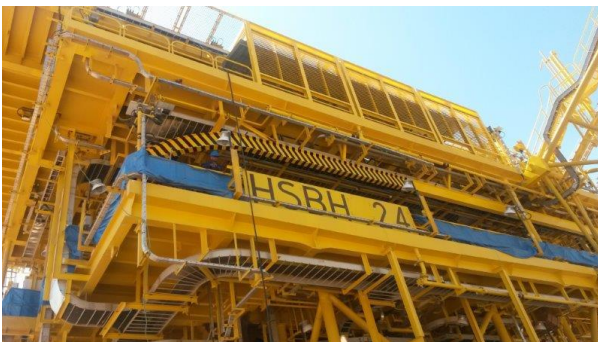
OFF SHORE MANUFACTURE DAMMAN AL KHOBAR SAUDI ARABIA

We are supplying **Saipem Taqa Al Rushaid STAR** manufacturing offshore steel structures and components in the yard of King Abdulaziz Seaport Saudi Arabia Dammam Al Khobar. We are Saipem approved and we are strictly following the organization procedures to ensure that the offshore/onshore manpower requirements of our Client is provided on time with highly qualified personnel. We have an organized fully dedicated HR team to take care of the Client's offshore/onshore manpower requirements so that the project is accomplished on time. Thanks to our direct experience since 2010 in **GCC Countries**, the organizational procedures followed for the successful completion of the project are: 1) the Client provides us the monthly requirements of manpower by category and qualification and the mobilization time schedule. 2) We immediately provide the

manpower list and docs certifications of the required categories. We can ensure that all the candidates are qualified to execute the given tasks. A preliminary screening and interviews is conducted by us and only qualified candidates and CVs are submitted for acceptance. 3) Those which don't require CVs or any other evaluation are arranged for BOSIET (if offshore or onshore then N.A.) and we proceed when we get the requirements and PO. 4) Once the candidates credentials are approved by the Client, upon receiving a PO, those candidates will be immediately sent for medical, BOSIET (offshore or H2S training). 5) we mobilize the worker to the point of boarding or camp or if all inclusive the site of work. 6) The Client can confirm us only two weeks advance before demobilization of the employers (end of month) and we take care of them from the site of work/boarding or camp.

GVA Dubai recruitment experience enables us to identify the right resource for your project and attract skilled and experienced personnel. We combine a rigorous process of selection with deep technical knowledge an efficient recruiting process, an improved candidate selection, and more importantly, improved quality. We provide integrated manpower services going from the selection of employees under our sponsorship to the completion immigration and work permit related formalities, including the organization of mobilization, accommodation and transportation. We can provide you certificated welders (SS/Cu-Ni/Tig and multi welders), piping fitters, fabricators, piping supervisors, insulators, civil and lot more. At the end of this presentation you can find the list of categories of 289 different experienced professionals single or team for offshore and onshore jobs. Below you can find some example of them:

- Instrument fitter
- Instrument foreman
- Instrument technician
- Electrician
- Electrical foreman
- Electrician maintenance
- Electrician industrial
- Electrician technician
- Electrical & instrumentation technician
- Electrical & instrumentation foreman
- Telecom technician
- Helper
- Welder
- Millwrights
- Fabricator
- Pipefitter
- Scaffolders
- Carpenter
- Crane Operator
- Rigger
- Painter
- Tool Keeper
- Estimator



CONSTRUCTION EQUIPMENT

Civil equipment as excavators, loaders, dump trucks, compactors, graders. Trailers, trucks, buses, pick-ups, vans, ambulances, boom trucks with a capacity from 6 to 15 tons, water tanks, diesel tanks. We are a widely reputed and trustworthy service provider in the field of equipment rental service. Mobile cranes and crawler cranes with 25 to 1.200 tons capacity certified lifting accessories such as wire rope slings, shackles, belts, lifting beams, spreader bars, man baskets, test weights. Light equipment as forklifts starting from 3 to 16 tons, tower lights, welding machines, air compressors, man lifts, scissor lifts, diesel generator from 10 to 1.000 kVA.

Manpower categories

N.	Position
1	Accountant
2	Project Secretary
3	Technical Clerk
4	Buyer
5	Expeditor
6	Material Controller
7	QA/QC Supervisor (Aramco Certified)
8	QA/QC Civil Engineer
9	QA/QC Electrical Engineer
10	QA/QC Instrumentation Engineer
11	QA/QC Mechanical Engineer
12	QA/QC Welding Inspector (AWS/CSWIP)
13	QA/QC Coating Inspector (Aramco Certified)
14	QA/QC Civil Inspector (Aramco Certified)
15	QA/QC Electrical Inspector (Aramco Certified)
16	QA/QC Instrumentation Inspector (Aramco Certified)
17	QA/QC Electrical & Instrumentation Inspector (Aramco Certified)
18	QA/QC Mechanical Inspector (Aramco Certified)
19	Safety Engineer
20	Cost Control Officer
21	Quantity Surveyor
22	Electrical & Instrumentation Engineer
23	Civil Engineer
24	Mechanical Engineer
25	Electrical Engineer
26	Draftsman
27	Survey Crew (3 Crew + Accessories + Car)
28	Surveyor
29	Mechanical Foreman
30	Piping Foremen
31	Pipe Fitter (Certified)
32	Pipe Fitter (Non Certified)
33	Welder Foreman
34	Welder Passo
35	Welder Tigaramco multiaramco
36	Welder 6G aramco
37	Welder UP/DOWN Hill
38	Welder Structural
39	Hydrotest Foreman
40	Hydrotest Technician
41	Millwrights
42	Steel Carpenter Supervisor
43	Steel Carpenter Foreman
44	Iron Steel Carpenter
45	Turner
46	Grinder
47	Painting Foreman
48	Painter (Certified)
49	Sandblaster (Certified)
50	Sandblaster (Non Certified)
51	Electrical Foreman
52	Electrical Industrial
53	Instrument Foreman
54	Instrument Technician
55	Instrument Fitter
56	Conduit Fitter / Electrical Technician
57	Scaffolding Supervisor
58	Scaffolder
59	Civil Foreman
60	Form Worker
61	Rebar Worker
62	Steel Fixture
63	Mason
64	Painter (Non Certified)
65	Shuttering Carpenter
66	Labor
67	Rigger Level I (Aramco Certified)
68	Rigger Level II (Aramco Certified)
69	Rigger Level III (Aramco Certified)
70	Earthmoving Foreman
71	Backhoe Operator (Aramco Certified)
72	Crane Operator (Aramco Certified)
73	Crane Operator (Non Certified) with SAG License

74	Dozen Operator (Aramco Certified)
75	Forklift Operator (Aramco Certified)
76	Grader Operator (Aramco Certified)
77	Loader Operator (Aramco Certified)
78	Pay Welder Operator (Aramco Certified)
79	Roller Operator (Aramco Certified)
80	Side boom Operator (Aramco Certified)
81	Multipurpose Operator (Aramco Certified 3 License)
82	Heavy Duty Driver
83	Trailer Driver
84	Light Duty Driver
85	Heavy Duty Crane Mechanic
86	Heavy Duty Mechanic
87	Light Duty Mechanic
88	Auto Electrician
89	A/C Technician
90	Electrician - Maintenance
91	Greaseman
92	Plumber
93	Tyreman
94	A/C Technician with Tools
95	Assistant Rig Mechanic
96	Communication Engineer / Inspector
97	Design Engineer
98	Erector
99	Executive Secretary
100	Iron Carpenter with Tools
101	Land Surveyor
102	Pipe / Structural Fabricator
103	Pipe Welder
104	Plumber with Tools
105	Tig Welder SS
106	Welder - CRC
107	Wood Carpenter / Foam Worker
108	Work Permit Receiver
109	Administration Officer
110	Automation Engineer
111	Building Quantity Surveyor
112	Building Superintendent
113	Building Works Supervisor
114	Building HVAC System Supervisor
115	CAD Operator
116	Camp Manager
117	Camp Supervisor
118	Civil Quantity Surveyor
119	Civil Works Superintendent
120	Civil Works Supervisor
121	Cleaning Workers
122	Clerk
123	Commissioning Engineer
124	Cost Control Engineer
125	Custom & Transport Coordinator
126	Deputy Field Engineer Manager
127	Doctor
128	Document & Reproduction
129	Document Administrator
130	Document Controller
131	Drawing Filing Administrator
132	E Log Entry Coordinator
133	Electrical Precom Superintendent
134	Electrical Precom Supervisor
135	Electrical Qnty Surveyor
136	Electrical Works Superintendent
137	Electrical Works Supervisor
138	Field Automation Engineer
139	Field Engineer Civil & Structural
140	Field Engineer Electrical
141	Field Engineer Instrumentation
142	Field Engineer Piping
143	Field Engineer Telecom
144	Field Procurement Coordinator
145	Field Project Control Manager

146	Field Subcontracting Administrator
147	Field Engr. Rot. Equipment & Structural / Field Engr. Rot. Equipment & Pack
148	Field HV Engr. Switchgear
149	General Service Coordinator
150	General Service Officer
151	H & E Coordinator
152	H & E Supervisor
153	High Voltage Supervisor
154	Instrument Precom Superintendent
155	Instrument Precom Supervisor
156	Instrumentation Superintendent
157	Instrumentation Supervisor
158	Instrumentation Quantity Surveyor
159	Insulation Inspector
160	IT Coordinator
161	IT Engineer
162	Lead Building Engineer
163	Lead Structural Engineer
164	Local Procurement Assistant / Buyer
165	Machinery Inspector
166	Machinery Precom Supervisor
167	Machinery Supervisor
168	Male Nurse
169	Material Equipment Receiving Inspector (Aramco Certified)
170	Material Coordinator
171	Material Supervisor
172	Mechanical Quantity Surveyor
173	Mechanical Works Superintendent
174	Mechanical Works Supervisor
175	Mechanical Steel Structure Inspector
176	NDT Coordinator
177	Package Equipment Supervisor
178	Paint & Insulation Quantity Surveyor
179	Paint & Insulation Quantity Inspector
180	Paint & Insulation Works Superintendent
181	Painting & Coating Superintendent
182	Painting/Insulation Works Supervisor
183	Piping Engineer (Aramco Certified)
184	Piping Inspector (Aramco Certified)
185	Piping Supervisor
186	Planning Engineer
187	Precommissioning Engineer
188	Process Field Operator
189	Punch List Operator
190	QA/QC Deputy Manager
191	QA/QC Site Manager
192	QA/QC Superintendent
193	QC Batch Plant Inspector
194	QC Building Inspector
195	QC Civil Inspector
196	QC Civil Supervisor (Aramco Certified)
197	QC/QA Deputy Coordinator
198	QC Electrical Inspector
199	QC Foundation Inspector
200	QC Inspector Earthmoving/Paving
201	QC Inspector HVAC/Plumbing
202	QC Inspector Painting/Coating
203	QC Inspector Telecom
204	QC Inspector Steel Structural
205	QC Inspector Communication
206	QC Instrumentation Inspector
207	QC Mechanical Inspector
208	QC Site Coordinator
209	QC Supervisor Electrical
210	QC Supervisor Instrumentation
211	QC Supervisor Mechanical
212	QC Supervisor Welding NDT
213	QC Welding Inspector /NDT
214	QC Welding Inspector
215	Quality Assistant
216	Rotation-Stat. /Mech. QC Inspector (Aramco Certified)
217	Safety Officer

218	Safety Supervisor
219	Secretary
220	Security Guards
221	Security Supervisor
222	Senior Civil Supervisor
223	Senior Document Administrator
224	Senior HVAC Engineer
225	SICON Administrator Staff
226	SICON Coordinator
227	Steel Structure Superintendent
228	Steel Structural Engineer
229	Store Keeper
230	Subcontracting Administrator
231	Tea Boy
232	Telecom Precom Supervisor
233	Test Package Supervisor
234	Training Officer
235	Valves Inspector
236	Warehouse Assistant
237	Warehouse Supervisor
238	Welding Supervisor
239	Welding Engineer
240	RTFI Inspector (Aramco Certified)
241	Building & Civil Quantity Surveyor
242	Building Supervisor
243	Pipe Fitter with tools
244	Civil Superintendent
245	Civil Superintendent (Western National)
246	Document Controller Assistant
247	Electrical Design Engineer
248	Field Quality Assistant
249	HSE Supervisor
250	Instrument & Telecommunication Quantity Surveyor
251	Material Preservation Coordinator
252	Material Quality Inspector
253	Material Receiving Supervisor
254	Mechanical Steel Structure
255	Mechanical Completion & Administrator
256	Mechanical Superintendent (Western National)
257	Mechanical Supervisor
258	Microstation Operator
259	Painting Instrument Work Supervisor
260	Painting Insulation / FBE Coating QC Inspector
261	Painting & Coating Inspector (Western National)
262	PDS Administrator
263	PDS Modeler
264	QC Deputy Coordinator
265	QC Inspector (Plant Equipment)
266	QC Piping Inspector (U/G)
267	Quality Inspector
268	Rotating Machinery Inspector
269	RTR Inspector
270	Senior Civil Works Supervisor
271	Senior Planning Engineer
272	Static & Rotating Equipment Superintendent
273	Static & Rotating Equipment Supervisor
274	Supervising Welding Inspector
275	Test Pack Engineer
276	Piping Supervisor (U/G)
277	Welding Inspector
278	Coxswain Diver
279	Sailor
280	Mechanical Engineer - Rotating
281	Welder Combination (SMAW/GTAW)
282	Scaffolding Supervisor (Aramco certified)
283	QA/QC Manager with Car
284	Hydraulic Mechanic
285	Assistant Mechanic
286	Manlift Operator (Aramco Certified)
287	FSE PIP + 3D Modeller
288	Field Furnace Engineer
289	PTS Operator

Training

FOCUS ON HUMAN RESOURCES DEVELOPMENT, COMPETENCE BUILDING

People are the main heart and engine of any company. Training, competence building and development of human capital are key to the successful growth of your business. **Mesit GTS Caspian** aims at becoming a proactive partner in understanding the needs of your company in terms of training plans and competence building to develop and implement together the best programs. **Mesit ETS Caspian** has the know-how to select the best training partners, and support your company in the development of training tools, including tools based on Virtual Reality or Augmented reality for O&M competences.

PROJECT TRAINING & COACHING

We design ad hoc training to enhance the performance of the Project, in line with what are our client challenges, the project Key Performance Indicators (KPIs), and the main risks. Our training is mainly targeted to get the Project Team to work effectively together, and achieve high performance, delivering a successful project. We do specialize in multicultural teams and offer our training modules in the office or in the field, with multi-language instructors, on worldwide basis. We can plan Project Training at project start-up and offer a Project Coach for the duration of the project.

TRAINING AREAS & TOOLS

Development of tools to interface with your HR systems to track competences we designs and delivers courses supporting engineering and field activities like Process & Instrumentation, Construction, Commissioning, Start-up, Operation and Maintenance, in a wide range of technical fields like O&G (Drilling, Completion, Subsea LNG, Renewables etc.), covering knowledge of HSE and Quality.



Main Areas covered:

- Energy, Power and Oil & Gas Technical
- Plant Operation & Maintenance, Efficiency
- HSE and Quality
- Management - Economics - Finance
- HR - Soft Skills
- Information Technology

Tools used transferring knowledge:

- Classroom training
- Workshops
- Training on the Job
- Development of tools in Virtual Reality or Augmented Reality

Mesit ETS Caspian design ad hoc training to enhance the performance of the Project, in line with what are our client challenges, the project KPI, and the main risk. Our training is mainly targeted to get the Project Team to work effectively together, and achieve high performance. We do specialize in multicultural teams and offer our training modules in the field, at project start-up and offer a Project Coach for the duration of the project.

WORKSITE SAFETY

- Scaffolding Inspector Course
- Lifting Operation Inspection for Management and Supervisor
- Lifting and Slings
- Dangerous Goods Transportation
- Confined Space Entry
- Basic of Radioprotection Safety
- Construction Safety
- Crane and Hoist Maintenance and Inspection Training
- Authorized Gas Tester - Level 1
- Hazard Identification (HAZID) and Risk Assessment
- Design and Implementation of Quality Management Systems
- Working at Height
- Scaffolding Assembly and Disassembly
- Basic Excavation Safety
- Electrical Risk and Workplace Safety Program
- OSHA - Lockout/ Tagout
- BOSIET
- Further Offshore Safety Induction and Emergency Training
- OSHA - Introduction to Safety and Health Management
- Introduction to the root-cause analysis
- HSE Management upstream operations
- HAZOP Assessment Methodologies and Techniques

GENERAL HSE

- HSE Supervision
- Quality Supervision
- Fire Fighting and Fire Prevention
- HSE Culture and Awareness

WELL CONTROL

- Well Control introductory
- Well Control
- Stripping

LEAN PRINCIPLES

- Lean principles – Basic Course
- Lean principles – Advanced Course

HEALTH AND MEDICAL EMERGENCY RESPONSE

- Control of Substance Hazardous to Health (COSHH)
- Occupational Health Nursing
- First Aid
- International Trauma Life Support (ITLS)
- OSHA - Hazardous Materials
- OSHA - Public Warehousing and Storage

SIX SIGMA

- Six Sigma Yellow Belt
- Six Sigma Green Belt
- Six Sigma Black Belt

PROJECT MANAGEMENT

- Project Kick off
- Project team coach
- Project Turn Around
- Project Coach Certification
- Accounting and Finance
- Contracts Management
- Maintenance Planning and Asset Management
- Supply Chain and Logistics Management
- Cost Control Engineering

ENVIRONMENT MANAGEMENT

- Techniques of Environmental Management
- Waste Management
- Oil Spill Training - IMO level 1,2,3
- Handling, Storage & Transportation of Hazardous Waste
- Basic Environmental Awareness
- National Diploma in Environmental Management
- Polluted Sites Remediation
- Environmental management system (EMS)

QHSE

- HSE Supervision
- Quality Supervision
- Fire Fighting and Fire Prevention
- HSE Culture and Awareness

LNG

- LNG Ship Training
- LNG On-shore Terminal Training
- LNG Off-shore Terminal Training

DRILLING

- Rig Survey
- Practices on rig
- Practices on rig & Equipment
- Basic Drilling
- Practice on the rig
- Practice on equipment
- Pumpman/Derrickman
- Assistant Driller
- Driller

VARIOUS

- NEBOSH Award - level 0
- NEBOSH Certificate - level 1
- NEBOSH Diploma - level 2
- HSE Leadership & Communication
- OHSAS 18001 Occupational Health & Safety System
- HSE Management System, HSE Internal Auditor
- HLO - Helicopter Landing Officer
- HSE in Basic Drilling Operation



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