

**AL MASOOD
ENERGY**



**PLANT & PIPELINE MAINTENANCE
SERVICE PORTFOLIO**

A dramatic, low-angle photograph of an industrial facility, likely a power plant or refinery, silhouetted against a sunset sky. The sun is a bright, glowing orb in the upper right, partially obscured by dark, heavy clouds. Thick plumes of dark smoke or steam billow from several tall, lattice-structured smokestacks. In the foreground, a body of water reflects the low light, with various industrial structures and pipes visible. The overall mood is industrial and powerful, with a strong sense of scale and activity.

OVER 50 YEARS OF EXPERTISE
IN ENERGY OPERATIONS.

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AL MASAOOD
ENERGY





WHO WE ARE

Founded in 1971, Al Masaood Energy (formerly known as Al Masaood Oil & Gas) is one of the first established oil and gas suppliers and contractors in the UAE.

With over 50 years of expertise in upstream and downstream operations and a workforce of over 1000 headcounts, Al Masaood Energy provides advanced energy services throughout the UAE, the Middle East, North Africa, the Eastern Mediterranean and Southern Asia.

Headquartered in Abu Dhabi, the company has subsidiaries in Saudi Arabia, Kuwait, Oman, Algeria, Cyprus and Pakistan, in addition to a sales network in Egypt, Greece and Montenegro, through its foreign affiliate ventures.

Beside its core line of petroleum services, Al Masaood Energy is commonly known as one of the key local sponsors, agents and strategic partners of multinational contractors and manufacturers operating within the energy industry in the UAE.



WHAT WE DO

SERVICES

TUBULAR RUNNING
COMPLETION SUB-ASSEMBLY
CONTROLLED PRESSURE DRILLING
AIR LOOP & H₂S SAFETY
INTEGRITY & CORROSION ENGINEERING
PLANT & PIPELINE MAINTENANCE
RENEWABLE ENERGY
JETTY BERTHING

SUPPLIES

OILFIELD
CHEMICAL & PETROCHEMICAL
MECHANICAL & HYDRAULIC
POWER
INSTRUMENTATION
SAFETY
FIRE FIGHTING & RESCUE

A detailed view of an industrial facility's interior, showcasing a dense network of large, polished metal pipes and complex machinery. The pipes are supported by a robust steel framework. In the upper left, a yellow overhead crane is visible with the label 'WL701'. The scene is brightly lit, highlighting the metallic surfaces and the intricate layout of the plant's infrastructure.

**PLANT & PIPELINE
MAINTENANCE SERVICES**



FURMANITE

In May 1990, Al Masood Energy (formerly known as Al Masood Oil & Gas) engaged into a 51-49% Joint-Venture agreement with Furmanite Corporation. A new registered company was then established under the name of Furmanite UAE Limited, in order to serve UAE and Oman territories.

In December 1999, Al Masood sealed an acquisition deal of Furmanite's shares becoming a 100% ownership holder for the company.

Founded in 1920 and headquartered in Houston (Texas, USA), Furmanite is the worldwide leader in comprehensive on-site / on-line plant and pipeline maintenance. The company provides specialty mechanical services that meet plant start-up operations maintenance challenges through cost-effective on-line applications, eliminating unscheduled shutdowns for all kinds of process industries.



LEAK SEALING & REPAIR SERVICES

- Holes in pipes or valves
- Cracked welds
- Packing glands
- Flange leaks
- Valve bonnets
- Threaded fittings
- Exchanger leaks
- Turbine horizontal joints
- Transformer leaks
- Sub-Sea leaks

ON-LINE LEAK SEALING & REPAIR

Sealing leaks on-line and under pressure creates a host of benefits. Our solutions not only avoid a plant shutdown and permit production throughout, but also avoid wastage of energy and products while enhancing plant safety. Noise levels, pollution and erosion damage can also be significantly reduced.

We can deal with virtually every type of leak problem, be it a leaking flange, valve gland, heat exchanger joint, screwed coupling, pipe union or pinhole pipe. We have the capability to seal leaks of steam, water, hydrocarbons and gas - including 300 types of chemicals - at temperatures ranging from sub-zero to 600°C and at pressures from vacuum to 350 kg/cm².



ON-SITE MACHINING SOLUTIONS

- Pneumatic pipe cutting
- Flange facing
- Specialty grinding and Polishing
- Line boring
- Milling
- Journal turning
- Stud drilling
- Drilling and tapping

ON-SITE MACHINING SOLUTIONS

Our On-site Machining service provides industries with fast, economical solutions to maintenance / machining problems.

Using standard portable machines to appropriate national and international standards and/or using a special machine designed specifically for a job need, our highly skilled technicians provide complete in-situ machining services.

The wide range of machining capabilities include, flange facing up to 7 meters. diameter, Laser Aligned Self-Leveling Mills suitable for turbine casing or crane pedestal, Portable Boring Bars with linear bearings to 3.5 Meters. diameter, Stud Drilling, Thread Cutting, Pipe Cutting, Weld Preparation, Journal Turning and Tyre Grinding.



TREVITEST™

- Applying force to the valve spindle to overcome the spring tension using hydraulic lift assist device.
- Calculating set pressure using the valve seat area, in-line pressure and applied lifting force.
- Cost effective and eliminates plant production interruption.

ON-LINE SAFETY & RELIEF VALVE TESTING

The Trevitest™ principle is to apply a force to the valve spindle to overcome the spring tension of the valve. This is achieved using a hydraulic power pack in conjunction with an electronic force transducer linked to a pen recorder, which traces the force applied.

Trevitest™ enables valve testing with no interruption to plant production, thus achieving considerable cost savings and operational advantages. Additionally, for safety reasons, the valve would be free to pop throughout the Trevitest™ operation, should it be an actual requirement.

Trevitest™ can be also used for cold testing. This testing enables identification of valves, which needs overhaul, if carried out immediately after the shutdown. It also keeps a footprint record of any valve performance after a complete overhauling.



HOT TAPPING

- Oil & Gas
- Refineries & Petrochemical
- Power Generation
- Desalination
- Nuclear
- Civil Construction
- Metallurgy
- Food Processing

HOT TAPPING SERVICES

Hot Tapping is a solution to make a connection to piping or vessels while the existing system is under pressure.

We hold a complete series of Hot Tapping equipment suitable for working on pipeline pressure up to 100 bar g at 38°C or up to 48 bar g at 370°C. Tapping sizes range from 6mm to 1000mm and can be either size on size tap or tank taps, e.g., a 300mm tap on a 15-meter diameter vessel.

Applying the API Standards, ASME Codes, our Engineers can design all types of Hot Tapping fittings such as; split bolted/welded tees, branch's nozzles, lock-in bars, plugging tees .. etc.



PIPE FREEZING

Diameters: ½” – 36”
standard, customer
sizes per project needs

Pressures up to 4080 psi
(281 bar/28,130 KPa)

TYPICAL PIPE CONTENT

- Water
- Acids
- Coolants
- Paints
- Liquid Food Products

PIPE FREEZING SERVICES

Pipe freezing is widely acknowledged as fast, safe and highly cost-effective method for the temporary isolation of piping systems to enable maintenance operations or pipework modification to be carried out.

- We do not need need to drain down systems, thus avoiding costly and time-consuming venting procedures.
- We do not need to arrange for the bulk transfer or storage of possibly toxic or corrosive fluids.
- Cuts losses of expensive liquids, such as treated water and systems inhibitors.
- Overcomes the problems of handling hazardous material and enhances safety when working on lines containing contaminated or volatile liquids.

In many cases, pipe freezing allows maintenance work to be carried out without interruption to continuous process systems.



CONTROLLED BOLTING SERVICES

We offer a variety of techniques comprising of Bolt Tensioning, an accurate method of tightening threaded fasteners using advanced hydraulic technology.

Torque Tightening, using a range of the latest hydraulic torque wrenches and accurate Bolt Stress Measurement by mechanical or ultrasonic means.

- Hydraulic bolt torquing
- Bolt tensioning
- Joint splitting
- Flange gap tolerance
- Joint alignment
- Flange face or groove specification



ON-LINE VALVE MAINTENANCE

Lubricating and greasing valves helps to reduce operating torque and protects from seizing when operation is critical. It helps the valve to seat properly and perform as recommended by the manufacturer specifications. Greasing helps maintain the integrity of well head pressure control valve equipment and is a very important aspect of upstream field operations.

The valve HP sealant helps to seal the leaks, and stays to act as a corrosion inhibitor.

Our range of high quality lubricants are made from fully synthetic material that are non-flammable, able to withstand extreme temperature of up to 600F and are non-hazardous to health.



WORKSHOP MACHINING SOLUTIONS

Utilizing our workshop facilities through our experienced technicians and engineers, our team is able to provide our customers with customized workpieces according to their needs and requirements.

We fabricate custom-made and high-precision work tools using our cutting-edge CNC machines, state-of-the-art softwares, and well-calibrated measuring equipment, hand-crafted by our engineers and technicians, considering performance, quality and efficiency.

Our various machines can cover a wide range of capabilities which include : CNC lathe, CNC milling machines, CNC boring machines, horizontal lathe for dia 500mm - length 1000, vertical lathe for dia 2500mm - length 1000mm, journal milling machines and semi-radial drilling machines.



KEY CLIENTS



هيئة كهرباء ومياه دبي
Dubai Electricity & Water Authority



هيئة كهرباء ومياه الشارقة
Sharjah Electricity & Water Authority



إي تي إم أو أندام كومبني ليمتد
ITM O&M Company Limited



LOCATIONS



ABU DHABI [HQ]

Al Masaood Energy
17th Floor, Al Masaood Tower,
606 Hamdan Bin Mohammed Street,
P.O. Box 4352, Abu Dhabi, UAE

Tel : + 971 2 815 5888 / 626 7666

Fax : + 971 2 627 3422

Email : enquiry@amenergy.me

Web : www.almasaoodenergy.me

MUSSAFAH [1]

Al Masaood Energy
374 Corniche Street, M-05
Mussafah Industrial Area
P.O. Box 4352, Abu Dhabi, UAE

Tel : + 971 2 555 4083

Fax : + 971 2 554 5283 | 555 9282

Email : enquiry@amenergy.me

Web : www.almasaoodenergy.me

MUSSAFAH [2]

Al Masaood Energy
12th Street, M-38
Mussafah Industrial Area
P.O. Box 4352, Abu Dhabi, UAE

Tel : + 971 2 550 3911

Fax : + 971 2 626 2106

Email : enquiry@amenergy.me

Web : www.almasaoodenergy.me

DUBAI

Al Masaood Trading
Beirut Street, Plot #368
Al Qusais Industrial Area 5,
P.O. Box 60932, Dubai, UAE

Tel : + 971 4 285 0911

Fax : + 971 4 285 2977

Email : enquirydxb@amenergy.me

Web : www.almasaoodenergy.me

JEBEL ALI

Al Masaood Trading
740th Street, Gate #7
Jebel Ali Free Zone (North),
P.O. Box 60932, Dubai, UAE

Tel : + 971 4 883 6428

Fax : + 971 4 883 7538

Email : enquiryjafz@amenergy.me

Web : www.almasaoodenergy.me

AL AIN

Al Masaood Energy
6th Street,
Al Senaiya Industrial Area,
P.O. Box 1923, Al Ain, UAE

Tel : + 971 3 721 0661

Fax : + 971 3 721 0656

Email : enquiryain@amenergy.me

Web : www.almasaoodenergy.me

SAUDI ARABIA

Oil Industry Supplies and Services Co.
Office 1202, Bldg. 6281,
Prince Turki Street, Corniche District,
P.O. Box 3132, Al-Khobar, KSA

Tel : + 966 13 812 6648

Fax : + 966 13 812 6828

Email : enquiryksa@amenergy.me

Web : www.almasaoodenergy.me

KUWAIT

Al Masaood Energy
Ahmadi Centre Complex, Bldg. 8, Blk. 7,
East Al Ahmadi Industrial Area,
P.O. Box 9970 - Ahmadi 61010, Kuwait

Tel : + 965 5113 1157

Fax : + 965 2398 2751

Email : enquirykwt@amenergy.me

Web : www.almasaoodenergy.me

OMAN

Al Masaood Energy
Bldg. D - 1619, Falaj Al-Qabail,
P.O. Box 311, Sohar,
Sultanate of Oman

Tel : + 968 2694 0214

Fax : NA

Email : enquiryoma@amenergy.me

Web : www.almasaoodenergy.me

ALGERIA

Red Med Al Masaood
Trade & Services
BP 509 Route In Amenas,
30500 Hassi Messaoud, Algeria

Tel : + 213 770 30 22 61

Fax : + 213 21 59 11 39

Email : algeria-almasaood@redmed-group.com

Web : www.redmed-group.com

CYPRUS

FAMEMOISS Energy Services
Fameline Bldg., 1-3 Spatharikou Street,
4004 Mesa Geitonia,
Limassol, Cyprus

Tel : + 357 25 889 999

Fax : + 357 25 344 410

Email : sales@famemoiss.com

Web : www.famemoiss.me

PAKISTAN

Al Masaood Energy
Plot #212, Service Road East,
Sector I - 10 / 3,
Islamabad, Pakistan

Tel : + 92 333 564 4772

Fax : NA

Email : enquirypak@amenergy.me

Web : www.almasaoodenergy.me

AL MASAOOD ENERGY



PLANT AND PIPELINE MAINTENANCE SERVICES

**Al Masaood Oil Industry Supplies &
Services Company WLL**

 + 971 2 555 6855

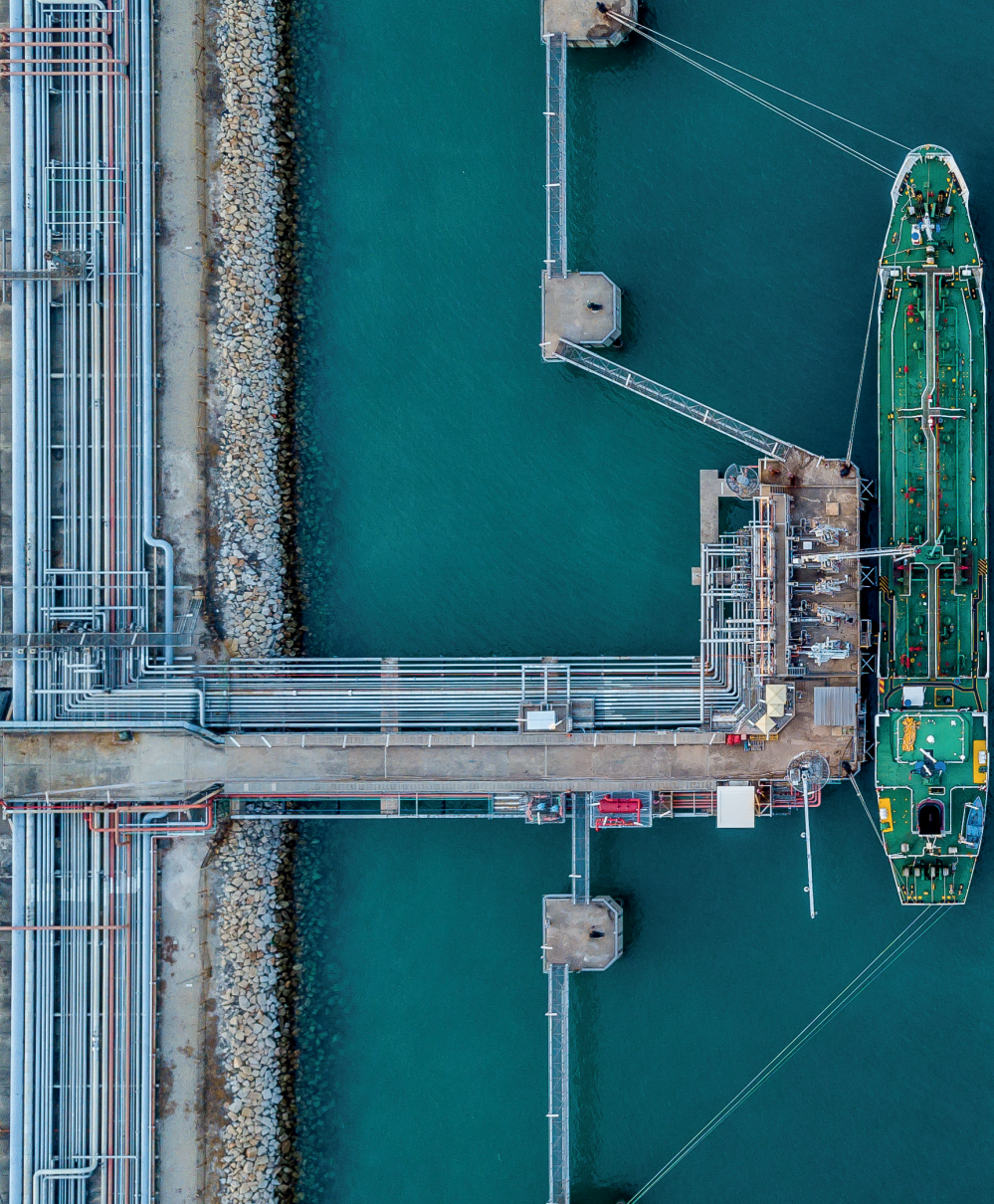
 + 971 2 626 2106

 ppm@amenergy.me

P.O. Box 4352 | Abu Dhabi
United Arab Emirates



#AlMasaoodEnergy



**GLOBAL PRESENCE
LOCAL RESPONSIVENESS**

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