



Sustainable
Innovation

— www.emdadenergy.com

Introduction

About Us

Emdad Energy L.L.C is an ICV company that is established with a sole purpose to serve Oman. As a company, we aim to provide a wide range of Frac certified products and technologies. Our promise is to pay back to the country by supporting Omani talents, enhancing its industrial sector and shortening the supply chain through investing in products that are "made in Oman".



Vision

To establish a sustainable economy source for the Sultanate of Oman through investing in Omani talents, Transferring raw materials into globally certified products and to establish an end to end Omani Supply chain.

Mission

To provide cutting-edge fracturing products that can help Oman maximize the recovery from the most sophisticated oil & gas reservoirs. High quality proppant and seawater technologies are just the start but we think big as Oman deserve better.



Our Products

#1 Natural Frac Sand

#2 Silica Sand

#3 Silica Flour

#4 Ceramic Proppant

EE-ISP-30/50

EE-ISP-20/40

EE-ISP-16/30

EE-ESP-30/50

EE-ESP-20/40

EE-ESP-16/30

#5 ESP Cable / Artificial Lift Accessories

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Natural Frac Sand

Natural Frac Sand is a high-quality proppant used in hydraulic fracturing operations to enhance oil and gas recovery. With its unique physical and chemical properties, it ensures efficient hydrocarbon production by improving fracture conductivity, reducing flow resistance, and providing long-lasting stability in reservoir formations.

Key Features



High Purity Quartz Content – Ensures superior strength, crush resistance, and minimal impurities.



Consistent Grain Size Distribution – Provides uniform flow paths within fractures, optimizing productivity.



High Roundness & Sphericity – Reduces embedment into formation rock and maintains fracture integrity.



Durability – Designed to withstand high closure stresses during fracturing operations.



Environmentally Responsible – Sourced and processed with minimal environmental impact, ensuring compliance with industry standards.



Silica Sand Solutions

With our company infrastructure, manufacturing facilities supported by technical expertise and sales team, are truly well equipped to meet the toughest specifications.

Key Features

- **High Purity Content.**
- **Uniform Particle Size**
- **Durability & Strength**
- **Low Impurity Levels**
- **Eco-Friendly & Sustainable**



Silica Sand

Silica sand is a naturally occurring granular material composed primarily of silicon dioxide (SiO_2). It is widely used in glassmaking, construction, water filtration, and foundry applications due to its high purity and strength.

Silica Flour

Silica flour is finely ground silica sand, processed into a powder form. It is commonly used as a filler in paints, plastics, adhesives, sealants, and as an additive in industrial applications where fine particle size and high chemical purity are required.



Frac Sand

Frac sand is a high-purity silica sand with strong, round, and durable grains specifically used in the hydraulic fracturing (fracking) process. It helps prop open fractures in underground rock formations, allowing oil and gas to flow more efficiently.

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Ceramic Proppant

Ceramic Proppant is a high-performance, engineered material designed to maximize well productivity in hydraulic fracturing operations. Produced from premium bauxite and kaolin clay, it delivers exceptional strength, uniformity, and conductivity that outperform natural alternatives like sand.

Key Features

→ EE-ISP-30/50

→ EE-ISP-20/40

→ EE-ISP-16/30

→ EE-ESP-30/50

→ EE-ESP-20/40

→ EE-ESP-16/30



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ESP Cable / Artificial Lift Accessories

ESP Cables and Artificial Lift Accessories are critical components that ensure reliable power delivery and efficient operation of Electrical Submersible Pump (ESP) systems. Designed to withstand the harsh downhole environment, these accessories enhance system integrity, reduce downtime, and extend equipment life in demanding oilfield applications.

Key Features



High-Temperature Resistance – Specially designed insulation and jacketing materials to perform in elevated downhole temperatures.



Corrosion and Chemical Resistance – Protection against corrosive fluids, gases, and harsh reservoir environments.



Superior Mechanical Strength – Withstands extreme pressures, bending, and tensile forces during installation and operation.



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Our Services

#1 ThermoSonic

#2 Artificial Lifting

- ESP Pump

- PCP Pump

- ESPCP Pump

- Full Rigless CDESP Full Rigless Cable Deployed ESP system

- WDESP Wireline Deployed ESP System

- CDESP Cable Deployed ESP System

#3 Helium Leak Testing

#4 Nitrogen Services

#5 Hot Oil Flushing

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ThermoSonic

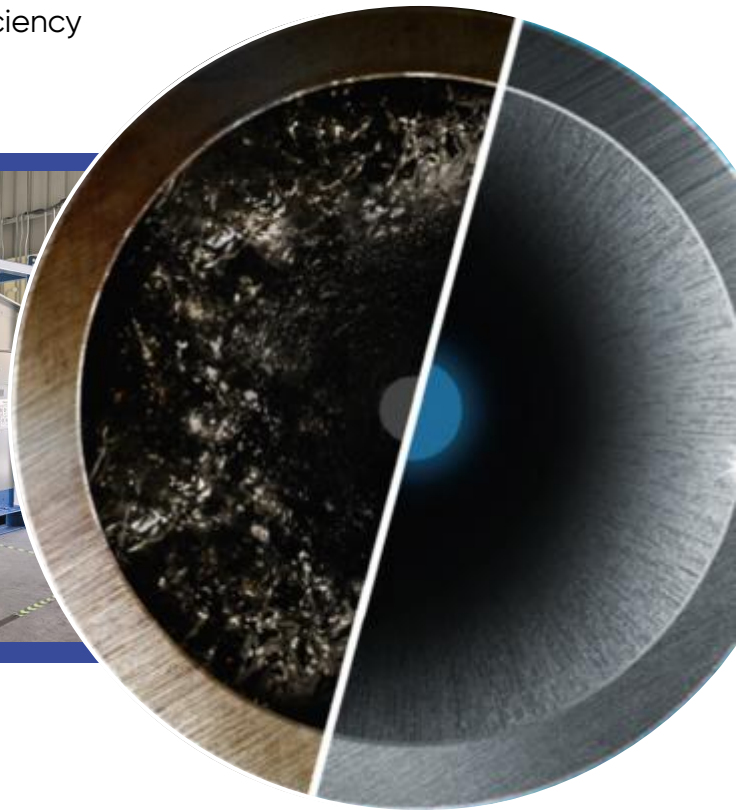
At Emdad Energy L.L.C. we bring innovative solutions to the oil & gas industry with our advanced ThermoSonic technology, designed to optimize the handling of heavy crude oils and improve operational efficiency.

ThermoSonic is a cutting-edge technology that combines thermal energy with electrophysical effects to effectively reduce the viscosity of heavy oil components. By making heavy hydrocarbons easier to extract, transport, and process, we help clients overcome one of the most persistent challenges in oilfield operations.

Key Benefits

- Improves flow of heavy and waxy oils
- Cuts reliance on costly chemicals and excessive heat
- Boosts production efficiency and reduces downtime
- Applicable in wells, pipelines, and storage systems

At **Emdad Energy L.L.C.** we deliver innovative and sustainable solutions that support Oman's energy sector while ensuring efficiency for our clients worldwide.





Artificial Lifting

01.

ESP Pump (Electrical Submersible Pump) – A multi-stage centrifugal pump powered by an electric motor, designed for lifting large volumes of fluids from oil wells efficiently.

02.

PCP Pump (Progressing Cavity Pump) – A positive displacement pump that moves viscous fluids using a helical rotor and stator, ideal for heavy oil and high solid content production.

03.

ESPCP Pump (Electrical Submersible Progressing Cavity Pump) – A hybrid system combining an electric motor with a progressing cavity pump, enabling efficient handling of viscous and abrasive fluids at higher flow rates.

04.

Full Rigless CDESP (Full Rigless Cable Deployed ESP System) – A cost-effective system that allows ESP deployment and retrieval using cable technology without the need for a drilling rig.

05.

WDESP (Wireline Deployed ESP System) – An ESP system designed to be deployed and retrieved via wireline operations, reducing downtime and operational costs.

06.

CDESP (Cable Deployed ESP System) – An ESP system installed and pulled using cable-deployed methods, providing a rigless and flexible alternative for intervention operations.



ESP – Pumps

At Emdad Energy L.L.C. we specialize in Rigless Electric Submersible Pump (ESP) solutions, enabling installation, retrieval, and maintenance of ESP systems without using a conventional rig—streamlining operations while maximizing cost-efficiency and uptime.

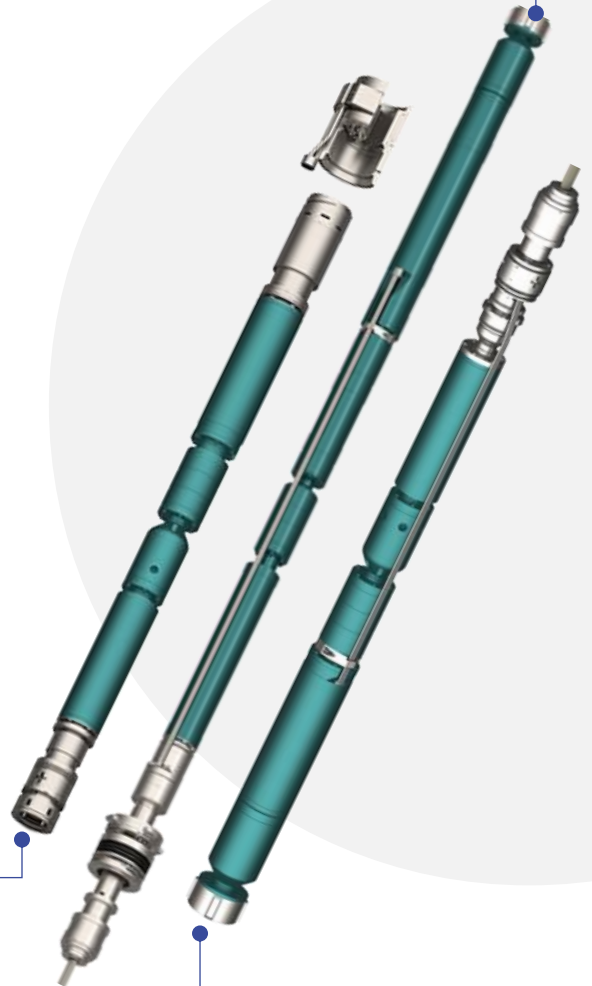
Key Benefits

- **No rig required** – reduces mobilization cost and logistics.
- **Faster operations** – quicker deployment and intervention.
- **Less downtime** – minimizes production interruption.
- **Enhanced HSE safety** – fewer personnel & simpler processes lower operational risk.

Full Rigless CDESP Full Rigless
Cable Deployed ESP system

WDESP Wireline
Deployed ESP System

CDESP Cable
Deployed ESP System



Helium Leak Testing

At Emdad Energy L.L.C LLC, we provide specialized Helium Leak Testing services designed to ensure the integrity and safety of critical systems across various industries. As one of the most accurate and sensitive leak detection methods available, Helium Leak Testing plays a vital role in industries such as oil & gas, manufacturing, and energy production, where system reliability is crucial.

Key Benefits

- Enables non-destructive testing detect even the smallest leaks without damaging the system.
- Offers high sensitivity and accuracy, thanks to helium's inert nature and its rapid ability to penetrate fine leaks.
- Ensures operational safety and reliability, allowing swift remedial action before system use.
- Improves confidence in system integrity, reducing the risk of downtime, safety hazards, or environmental impact.



Nitrogen Services

Emdad Energy L.L.C provides expert Nitrogen Purging and High-Pressure Leak Testing services tailored to maintain the safety, integrity, and efficiency of pipelines, vessels, and industrial systems.

Key Benefits

- **Enhanced Safety** – Displaces oxygen and flammable gases, significantly reducing the risk of fire, explosions, or other hazardous reactions during maintenance or startup.
- **Preventing Contamination** – Utilizes high-purity nitrogen to eliminate moisture, oxygen, or unwanted gases, safeguarding product quality and equipment reliability.
- **Optimized Performance** – High-pressure leak testing simulates real operational conditions to verify system tightness and prevent downtime, environmental leaks, and associated safety risks.



Hot Oil Flushing

At Emdad Energy L.L.C LLC, we deliver state-of-the-art Hot Oil Flushing services to maximize the efficiency and extend the lifespan of critical oil and gas equipment. This specialized process removes contaminants such as debris, sludge, and varnish from hydraulic and lubrication systems. By circulating heated oil at high velocity, we thoroughly cleanse pipes, hoses, and internal components—ensuring optimal performance, minimizing the risk of equipment failure, and supporting reliable operations.

Key Benefits & Features

- **Comprehensive Contaminant Removal** – Efficiently eliminates dirt, sludge, debris, and varnish buildup from hydraulic and lubrication systems, ensuring clean and contaminant-free operation.
- **Enhanced Equipment Longevity** – By maintaining the cleanliness of internal components, Hot Oil Flushing extends the operational life of critical equipment, reducing wear and tear.
- **Reduced Downtime & Maintenance Costs** – Prevents unplanned equipment failures and minimizes maintenance costs, helping your operation stay productive without interruptions.



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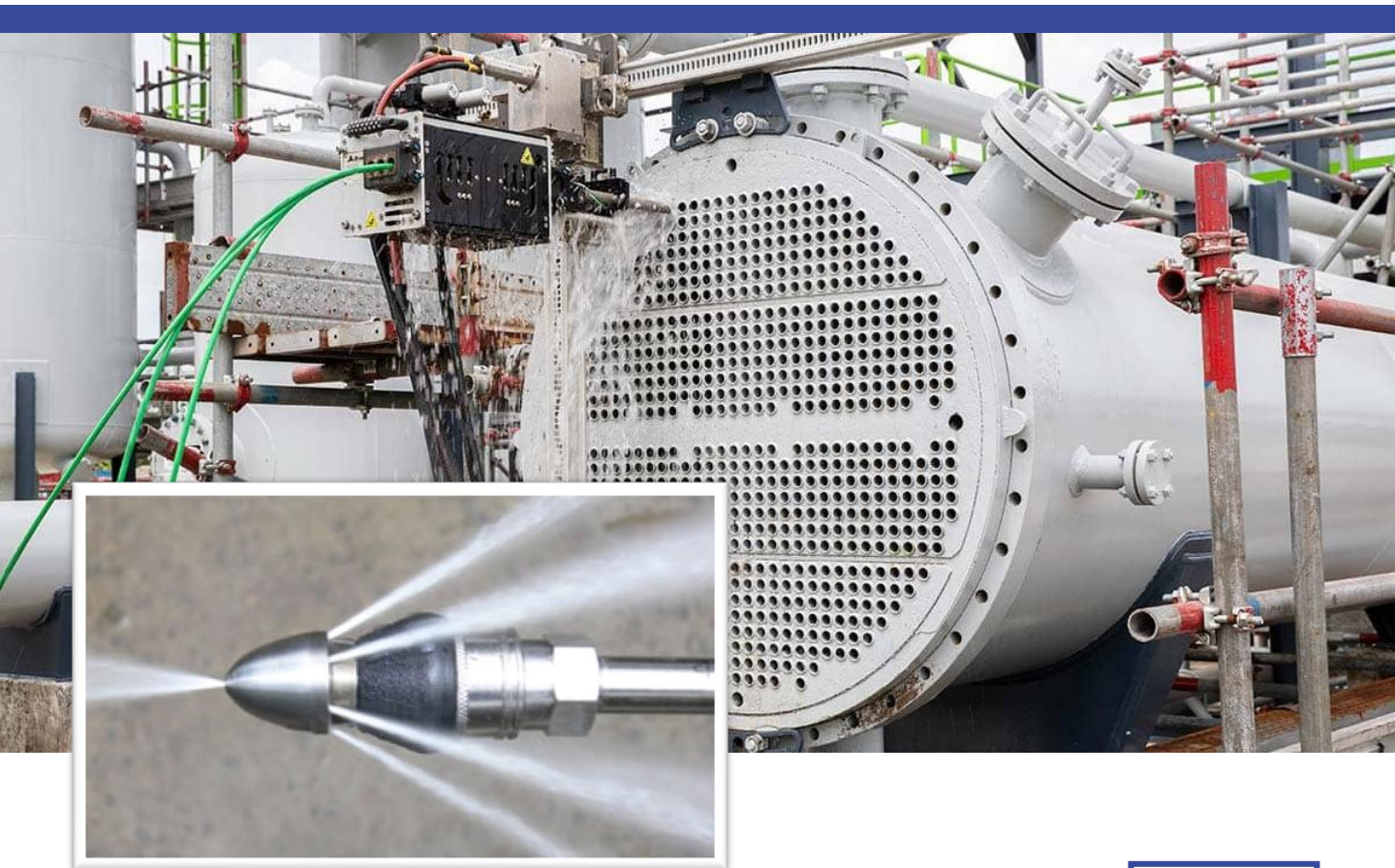
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High Pressure Jetting

At Emdad Energy L.L.C LLC, we offer cutting-edge High Pressure Jetting services to ensure the thorough cleaning of pipelines, tanks, and industrial equipment. High pressure jetting is a highly effective and environmentally friendly solution designed to remove stubborn deposits such as scale, debris, and other contaminants that can build up over time and hinder optimal performance.

Key Benefits & Features

- **Superior Cleaning Power** – Our advanced jetting systems utilize water under extremely high pressure to blast away even the toughest residues, ensuring a deep clean that restores equipment to its maximum efficiency.
- **Versatility** – High pressure jetting is suitable for a wide range of applications, including pipework, heat exchangers, boilers, tanks, and surface cleaning. Whether the need is for maintenance or pre-commissioning cleaning, our services can handle diverse operational demands.
- **Enhanced Equipment Lifespan** – Regular high pressure jetting prevents the build-up of contaminants that can lead to corrosion or malfunction, thus extending the lifespan of equipment and reducing downtime.





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