COMPANY PROFILE

www.emmareng.com

إعمار لخدمات النفط والغاز
EMAAR OIL & GAS SERVICES

EMAAR OIL&GAS

EMAAR United Engineering SPC, headquartered in Muscat Oman, is a leading provider of innovative and sustainable solutions in the oilfield production chemicals sector. The company leverages operational excellence and a strong regional presence in the Middle East, and is committed to delivering advanced chemical solutions that address the evolving challenges of the global energy industry

VISION

To become a leader and a company of choice for our customers in Oman and in the region on our technical expertise to provide talent development services and integrated end to end cost effective solutions for challenges related to Oil and gas services and not limited to chemical R&D sector, Material/Corrosion/Risk based Inspection/RLA,FFS material supply and well services

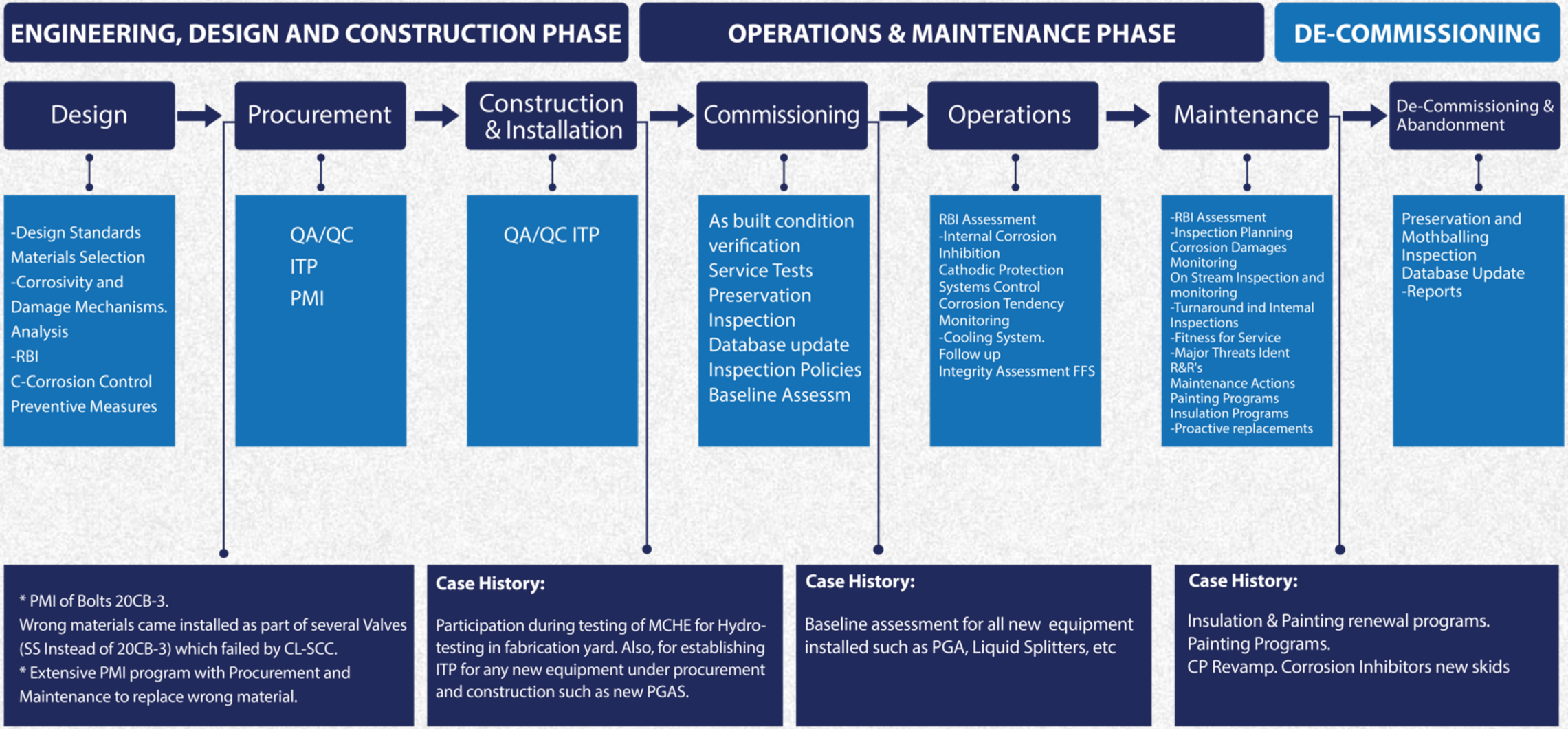
MISSION

- To put emphasis on knowledge & expertise transfer to the young Omani Engineer community in the field of R&D, Integrity Risk Assessment , Material/ Corrosion and Inspection.
- Identify challenges that are giving pain to owners and operators within the Oil & Gas Industry and Introduce innovative solutions through our expertise and the use of technology to improve do ability , cost / time optimization and Safety enhancement.

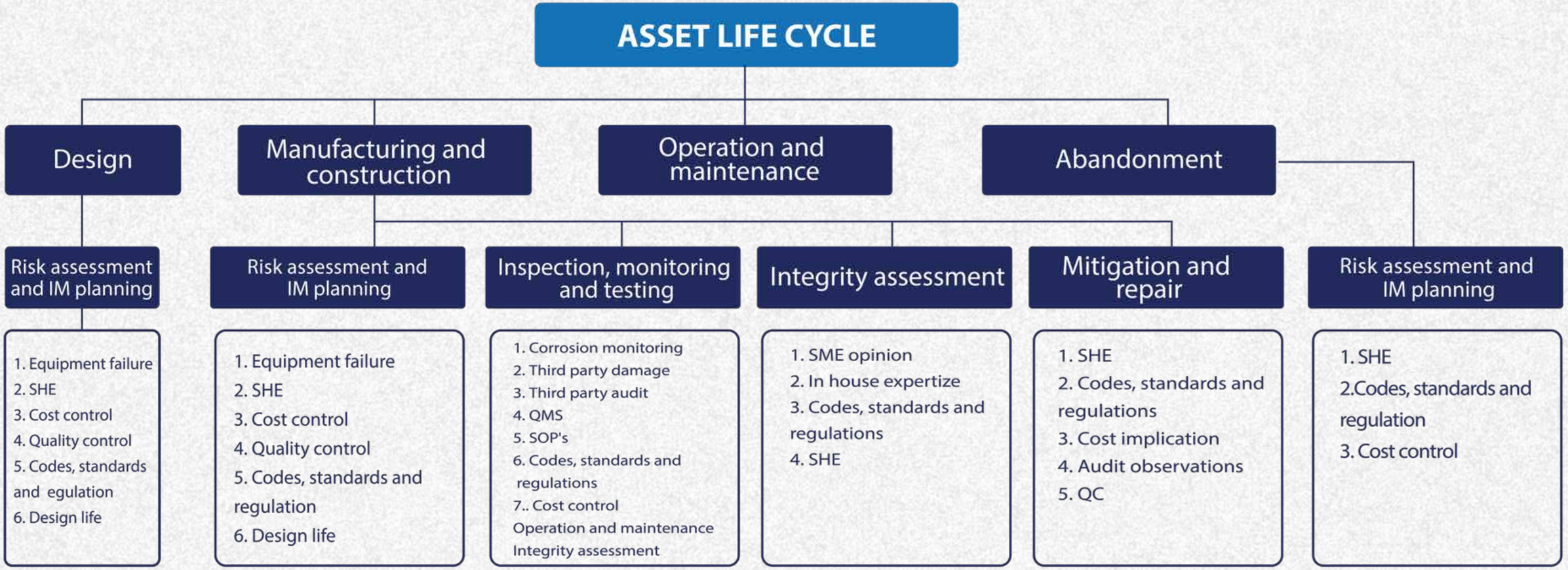
WHO WE ARE AND WHAT WE DO?

- **OPAL and all major Oil Omani SME Company registered with Riyada Oman such as PDO & Gas companies in Oxy. Daleel etc.**
- **Expertise in Oil & Gas Industry with a cumulative hands on experience of over 80 years**
- **Introduce appropriate solutions for asset integrity chronic Challenges.**
- **Engineering, Designing, Inspection & Maintenance.**
- **Asset Integrity Management by specialized Subject matter studies and end to end support experts i.e. RLA/RBI/FFS/MSR/CMF/material supply& well service etc...**

EMAAR SERVICES



SERVICES FOR AMBER PLANT UP TO PLANT LIFE CYCLE



OUR EXPERTISE

80+ YEARS OF COMBINED MANAGEMENT AND HANDS ON EXPERIENCE FOR:-

- Build up asset integrity from Feed to RLA
- Benchmark in the chemical R&D sector for crude oil, produced water and gas treatment, promoting sustainable practices and high-performance solutions that drive the future of energy.
- Supply all oil & gas equipment's , valves, flow line, pipeline as per ASME cods.
- Identification of Safety critical element & establishing performance Standard
- Oversee Quality in projects (ie QA / QC, HSEQ and hazard mitigation etc..
- Conduct/ facilitate RBI, RLA HAZOP, RCA, FFS studies,
- Turn Around Planning and inspections and all types of Maintenance
- Materials selection for sweet & Sour services NACE-175/Iso15156.
- Carry out Intrusive & non-intrusive NDT and conduct FFS

Expertise on all the activities related to codes (ie ASME Sec VIII Div.1 /2, ASTM, AWS, TEMA, API 571, 577, 580, 934 NACE, Shell DEP, API- 510, 570,571, 653, 579, BS7910, ASME B31G, ASME, etc.) for compliance to assurance or with Government regulations and companies' Technical ,HSE and Operating requirement.

We conduct training , coaching and development in our area of expertise supporting young Omani engineers to obtain accredited and internationally recognized certification ie API-510, 570, 653, 577, 571, RBI 580/581,B31G, RCA, FFS API-579 / ASME FFS , NDT ASNT TCA level1 & 2, etc…

OUR JOINT VENTURES

AIMS & RBI
PRIMALUX Technology

Inspection
OUMARCO SARLU Co.

Cobalt
Well Services Co.

Robotic Tank Cleaning
INITIATES
PLC Environmental Services

Process Equipment SS
ENERGY EQUIPMENT CO.

Boiler Decoking
SYNDESI ASSOCIATES Ltd, a company

Chemical Supply
Shandong Nuoer Biological technology Co.

PUMPS SUPPLY

VALVES SUPPLY
Sanco Valves Pvt. Ltd.

ENGINEERING SUPPORT
ZEECO GLOBAL

Chemical Supply
STARTwell Co.

OIL & GAS EQUIPMENT SERVICESS

EMAAR and our joint venture was founded in 2007 and has a history of over 26 years which provides

1. Equipment manufacturing business for the petroleum and petrochemical industries such as Separators, Heat Exchanger, Towers etc.
2. Air quality control solutions (AQCS), investment and operation of waste-to-energy (W2E), hydrogen energy (H2E).
3. Supplied thousands of modules for oil & gas processing, heating system, gas purification, separation, waste heat recovery system, power generation etc. for oil & gas industry, offshore or onshore, following GB, GOST, ASME, DIN, API and other standards.

EMAAR and our subcontractor main customers are

1. Shell
2. Worley Parsons
3. Samsung
4. FLOUR
5. Honeywell

INNOVATION AND TECHNOLOGY

WE BRING INNOVATIVE SOLUTIONS AND TECHNOLOGIES TO OUR CUSTOMER'S DOORSTEP. WE PROVIDE RESOURCES TO REVIEW AND EVALUATE TECHNOLOGIES AMONG OUR AVAILABLE TECHNOLOGIES:-

1.R&D: Drives technological innovation that enables optimized exploration and production, develops advanced extraction and processing techniques, and extends the life of mature oil fields. It also focuses on creating solutions for complex challenges like harsh environments.

2.Tank cleaning techniques (Robotic without hot-tapping)

3.Smokeless flare technology to meet Oman Vision 2030

4.Soil contaminated treatment technology.

5.Inspection techniques and Drones

6.Corrosion Monitoring techniques (Mobil corrosion monitoring)

7.Steam Boiler Tubing decoking and Inspection

8.Sever corrosion well tubing prevention

9.Thermal well tubing for paraffinic wells and anti-wearing and fine sand well tubing.

10.ILI-UT Inspection for non piggable pipelines and process plant.

11.Small bore connections and corrosion under-insulation.

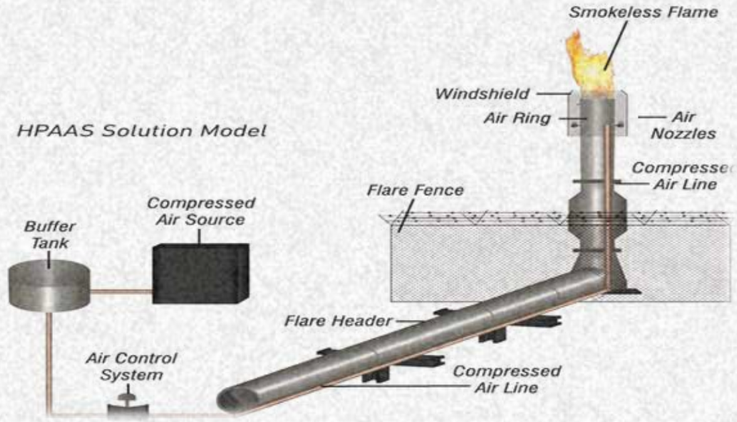
STAT OF ART TECHNOLOGY ONLY IN EMAAR

SOIL CONTAMINATED TREATMENT

This approach differs from traditional mechanical, physicochemical, or biological approaches. With the continued support of our dedicated teams and our extensive experience, we have been able to strengthen our position as a key player in the oil and gas industry in the region

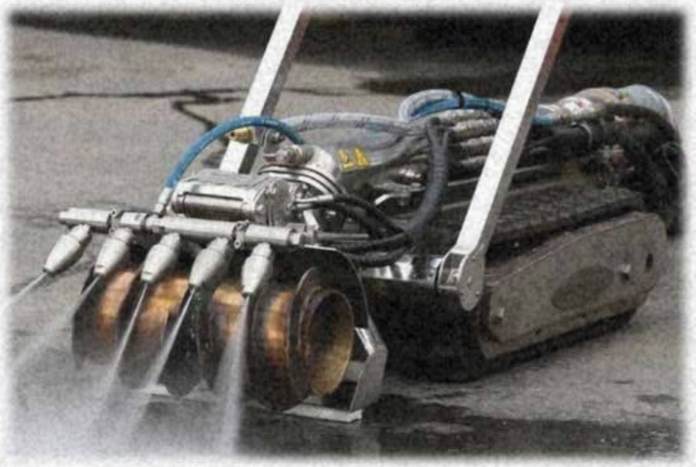
Smokeless High-Pressure Air Assist System (HPAAS).

Smokeless High-Pressure Air Assist System (HPAAS).
HPAAS is a patented technology developed through extensive R&D efforts with our Joint venture to meet Oman Vision 2030 fearless



ROBOTIC TANK CLEANING

The technology presented is out of box solutions either for hot tapping (which carries inherent risks like ignition or structural damage) and for oil-recovery from sludge (which carries inherent risks by using heater and chemical)

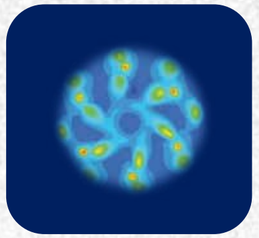


SMOKELESS HIGH-PRESSURE AIR ASSIST SYSTEM (HPAAS).

The replacement of smoke flare to smokeless become the 1st priority to promote cleaner energy production at their facilities To meet increasingly strict environmental regulations and to meet Oman visions 2030.

HPAAS uses supersonic air injection nozzles to inspirate combustion air at a much higher efficiency than previous air assisted smokeless flaring technology.

This combustion air produces smokeless flaring, lower radiation levels, and increased flare tip service life. Compressed air can be provided to the system through the existing plant air supply or from a dedicated air compressor.



Saudi Aramco has successfully installed and operated this technology on dozens of flare systems in Saudi Arabia. Today, the patented HPAAS technology is available to the world market through an agreement between Saudi Aramco and EMAAR Joint ventures (ZECO Inc)

A smokeless flaring upgrade using flare technologies such as steam assist or low-pressure air assist may not be technically or economically feasible.

Without Air Assist *HPAAS Smokeless Flaring Technology*

EASY RETROFIT (HPAAS)

When a flare is taken out of service for maintenance, replacement, or a retrofit, the corresponding plant must also be shut down. Long plant shutdowns for flare system retrofits result in considerable amounts of lost production and revenue for the plant.

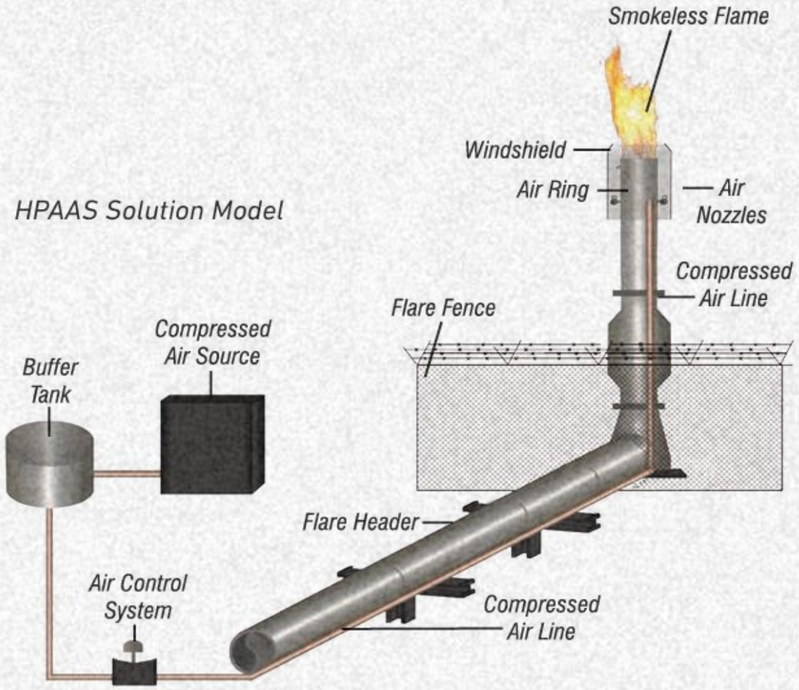
Other flare retrofits such as low-pressure air assist designs are difficult, time consuming, and costly.

The HPAAS flare tips bolt to the existing flare stack and allow for the small air supply line to mount easily to the flare stack with pipe support brackets.

The HPAAS system can be easily retrofitted to an existing flare system in a quick, cost-effective manner, and normal shutdown time for a full HPAAS flare upgrade is typically three days or less. HPAAS systems have been most effective in areas where water for steam is scarce or expensive since the systems do not require steam injection for smoke suppression.

Advantages of HPAAS.

- Easy retrofit to existing flares with minimal installation time
- Adaptable to a wide range of conditions
- No steam or service water required • Robust design • Low utility costs for operation.

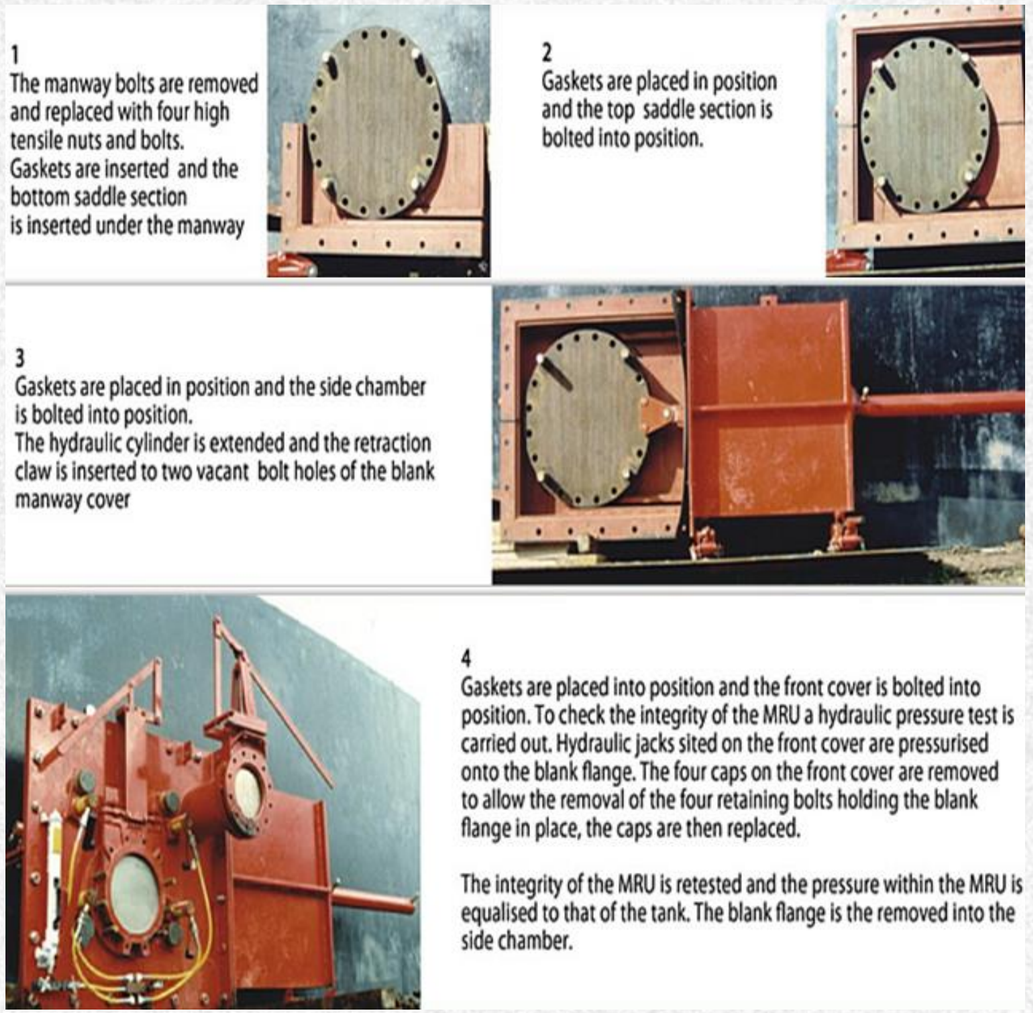


ROBOTIC TANK CLEANING

We deliver a revolutionary approach to tank cleaning by integrating Robotic Tank Cleaning systems with a Manway Removal Unit (MRU) — eliminating the need for traditional hot- tapping, high- pressure manual cleaning, or manned entry inside hazardous environments.

The MRU and robotic cleaning units are delivered as a fully modular system — minimizing setup time, cutting operational costs, and allowing deployment even at remote or restricted-access locations.

Instead of hot-tapping (which carries inherent risks like ignition or structural damage), we use a specialized MRU to safely open access points under controlled conditions. This maintains tank integrity while allowing robotic systems to be deployed without manual intervention



ROBOTIC TANK VACUUM TRANSFER SYSTEM (VTS)

- VTS is an Atmosphere's Explosible (ATEX Zone-1) pneumatically powered vacuum transfer pump with non-moving parts.
- This Vacuum equipment can create 25 mmHg (0.483419 psi or 0.033331 bar) of pressure, capable of evacuating sludge of various viscosity and different materials from a horizontal distance of 100 meters and a vertical depth of 40 meters
- It has an integrated safety protection that ensures continuous grounding; thus the robot cannot operate if there is a breach of the grounding protection.
- The CCTV has intrinsically safe cable
- Antistatic umbilical connection with quick connection system
- Emergency button and safety lever for hydraulic bypass

SOIL REMEDIATION TREATMENT

World class recycling solution cleaning methods technology for soil contaminated treatment differs from traditional mechanical, physicochemical, or biological approaches.

Because these traditional mechanisms have many disadvantages either coastally and, in most cases, not practical.

Oil washing recycling solutions technology offers many benefits including:

- High reliability in the reduction of harmful contaminants.
- A cost-effective alternative to multi-treatment or disposal processes.
- The production of high-quality washed construction sand and aggregates for resell and reuse.
- Reduce the carbon footprint of your processing operation by producing recycled sand and aggregates. closer to market by using the centrifugal system to sperate oi &other contaminated

OIL & GAS WELLS FRACTURING AND EOR WELLS

EMAAR and Joint venture FULTON Tec. are specialized in hydraulic fracturing and gravel packing operations both techniques involve the use of proppant material.

We are the only company to produce the high-quality technical ceramic manufacture supplying frac proppant to oil and gas fields

ENGINEERING, DESIGN AND INSTALLATION FOR COMPLETE PLANTS INCLUDING ALL THE REQUIRED SAFETY SERVICES, EQUIPPING A MULTI-DIAMETER PIPELINE AND FLOWLINE.

The scope of work for engineering, design, and installation of complete plants, including all safety services and equipping a flowline and multi-diameter pipeline, generally covers the following key aspects:

1. Engineering and Design
2. Installation and Construction
3. Safety Services
4. Multi-Diameter Pipeline Equipping

EMAAR scope elements ensure comprehensive responsibility over engineering design, safety and construction management, and specialized flowlines, pipelines equipping for multi-diameter lines in industrial plant projects

ENGINEERING, DESIGN AND INSTALLING A CENTRAL WATER TREATMENT PLANT

EMAAR intended to cover design, residual, engineering, manufacture, test and inspection at works, delivery to site properly packed for transportation, erection, testing, commissioning, performance demonstration at site and handing over to purchaser of STP, WTP, Rainwater harvesting system and water distribution network as per in the schedule of Requirement and scope of work and as required for reliable and effective Water & Sewage Treatment Plant, Rainwater harvesting system and water distribution network .

That includes and not limiting the following.

1. Sewage treatment plant, EMAAR provides new technology SEQUENTIAL BATCH REACTOR (SBR) to give treated effluent quality as specified.

2. Proposed WTP with filtration system.

3. Proposed Rainwater harvesting system.

4. Proposed External Sewage Collection Network.

5. Proposed water distribution network.

ANTI WEARING TUBING & COMPILATION

SUPPLY THE VERTICAL & HORIZONTAL WELL ANTI-WEARING TUBING AND COMPLETION WITH THE FOLLOWING;

Cobalt internal lined tubing to overcome the main challenge faced in PCP horizontal wells application, where the rod is rotating at high speed, with a direct metal to metal contact with the tubing, especially at the inclination section .
Full set Progressive cavity pumps (PCM) anti-wearing material, anti-corrosion

R&D , ASSET INTEGRITY & LIFE EXTENSION (RLA)

CORROSION MANAGEMENT STUDIES

- Down & upstream chemical solutions
- Corrosion management framework
- Corrosion Management Manual
- Integrity Operating Window (IOW)
- Identifications of thickness measurement locations (TML)

RISK-BASED INSPECTION

- RBI is a process that uses a combined system of methods to identify and understand risk. Put simply, risk can be defined by two elements:
- The consequence of failure (CoF) and the probability of failure (PoF).
- The CoF considers and evaluates the consequences of various outcomes (e.g. health and safety, environmental damage, equipment damage, and economic loss).
- The PoF is the likelihood that a piece of equipment will fail at a given time. Furthermore, both the CoF and the PoF involve qualitative and quantitative assessments.
- RBI can be used to reduce uncertainty about the damage state of a piece of equipment by prioritizing inspection activities. This is usually done by means of NDT.

FITNESS-FOR-SERVICE & REMAINING LIFE ASSESSMENT (RLA)

- There are three levels of FFS assessments, each increasing in level of detail, analysis, and complexity. Typically, conducted in accordance with API579 and also EEMUA for above ground storage tanks
- The outcome of an FFS assessment, Establishing inspection intervals improves the overall safety, reliability, and efficiency of aging equipment or rehabilitation scope after failure.

SPECIALIZED IN PROVIDING SOLUTIONS IN THE FOLLOWING AREAS

OIL & Gas Asset Integrity Consultation

- Provide short- and long-term solutions to overcome corrosion, inspection and material selection.
- Provide risk analysis , Risk mitigations for the high critical anomalies to avoid asset failures.
- Provide Asset remaining life assessment , and required actions for save operation and asset life extension

REVIEW CORROSION AND MATERIAL SELECTION PROJECT

- 30+ years of Oil and gas experience with major project performing Conceptual, FEED / operation facilities and Detail design of offshore & Onshore facilities. As follows
- Material selection & testing, welding , CP, Coating, RBI etc.

CRUDE OIL TANK INTEGRITY MANAGEMENT

- Provide technological solutions and end to end activities' coordination to enhance Tank turn around by 30%

NON PIGGABLE PIPELINE INSPECTION AND INTEGRITY ASSESSMENT

- Inspection of non piggable pipelines, integrity assessments and provide life extension recommendations

BOILER DECOKING AND FULL INTEGRITY MANAGEMENT

- HRSG / OSTG tube cleaning and Inspections. Data analysis and provision of next cleaning and remedial work requirements

CHEMICAL SUPPLY & INFRASTRUCTURE

Filtration Control Agents

1. Starch (Modified / with Biocide)
2. CMC LV / HV (Carboxy Methyl Cellulose)
3. High Temp. Starch
4. PAC LV / R (Polyanionic Cellulose)
5. Resinated Lignite

Infrastructure

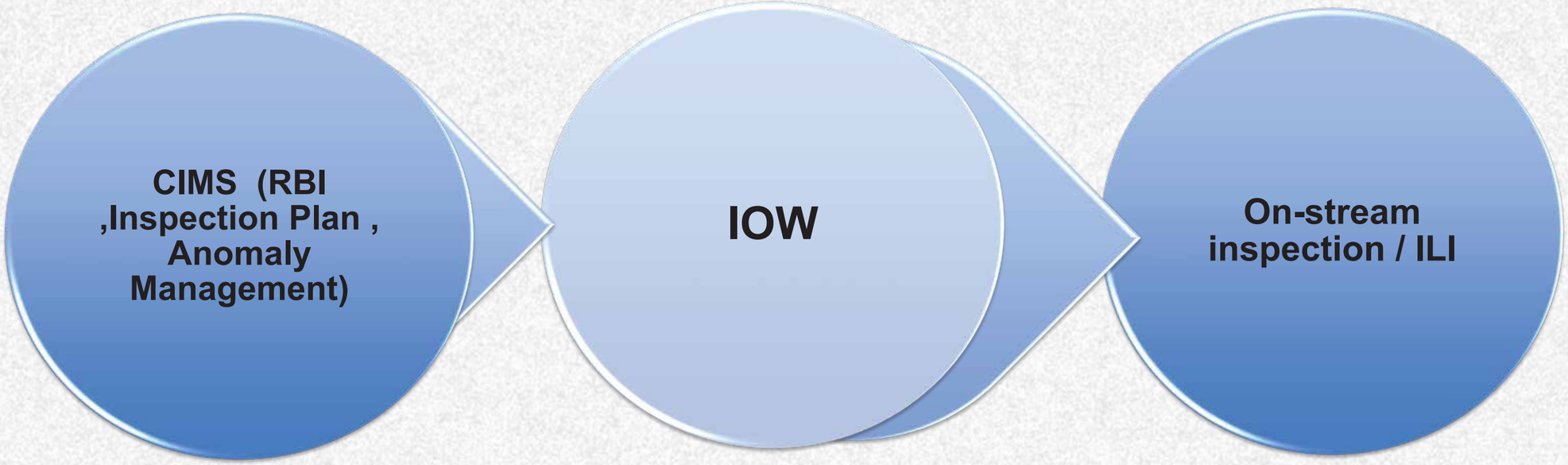
Reactors SS316, Glass Line & HDPE Reactor,

1. Distillation Column
2. Spray Dryer & Flaker, Centrifuge,
3. Filter Press, Nutch Filter, Rotary
4. Vacuum Paddler Dryer, Spin Flash
5. Dryer, Scrubbing System. Our
6. Utilities cover Boilers, Thermic Fluid
7. Heaters, Hot Air generators, Brine
8. Chilling Plants, Cooling Towers,
9. Nitrogen plants, Air compressors, RO
10. Plants, and DG sets. In-house
11. Laboratory.

Corrosion & Scale Inhibitors

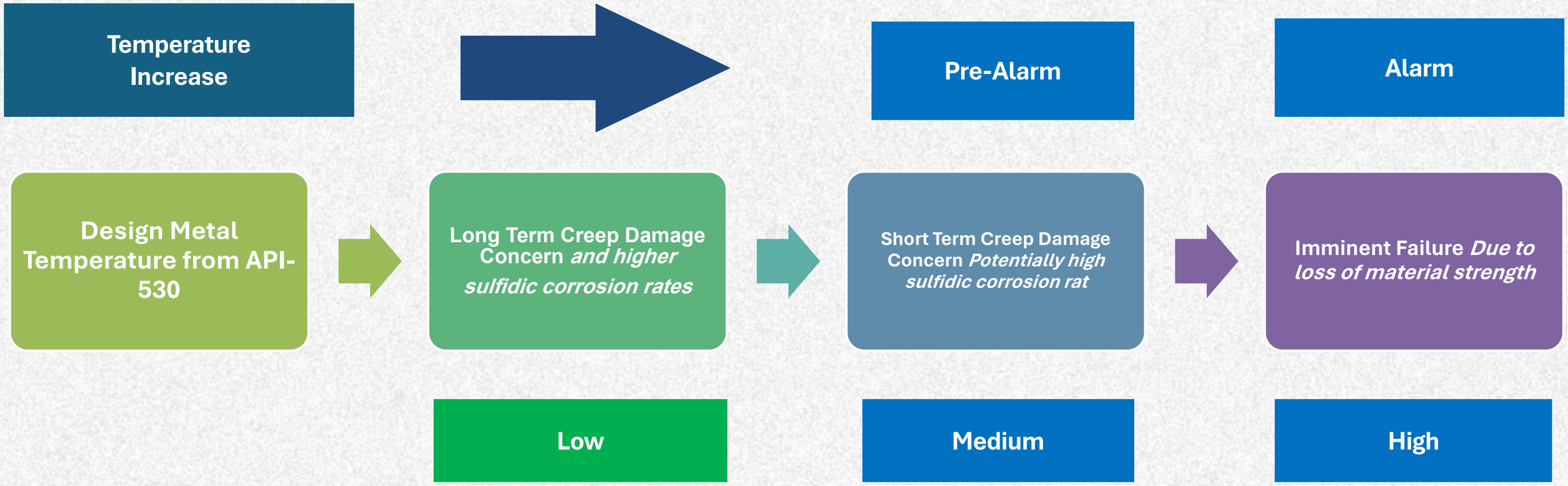
1. Corrosion Inhibitor – Drilling
2. Choline Chloride
3. Corrosion Inhibitor - All Purpose
4. Alkyl Pyridine Mixture
5. Amine Corrosion Inhibitor (20%-30%)
6. Biocide
7. pH adjustable
8. Oxygen scavenger.
9. others

EMAAR SOFTWARE (IMS)



INTEGRITY OPERATING WINDOWS (IOW)

Integrity Operating Windows solution integrates with your Distributed Control System (DCS), data historian, or Supervisory Control and Data base (SAP) system integrated to CIMS s and limits to track changes to your equipment condition in real-time.



RISK BASED INSPECTION & AIMS

GRAPHICL TECHNICAL INTEGRITY MANAGMENT

Affect to Process

PEFS with Corrosion Loops

Plot Plan with Integrity Color

Situation Awareness

Trending Analysis

CR

IOW

CM & PM

Isometric with Integrity Color

Develop Inspection Isometrics:
- Piping
- Vessels
- Columns
- Exchangers
- Furnace

Activity Schedules
- Inspection
- Maintenance

Inspection Reference Plan
Inspection Work Packs

Inspection Photos
Maintenance Photos

Inspection Reports
Maintenance Reports

PI online IOW monitoring

Future LIMS online IOW monitoring

CIMS, RBI, CMF Database

RVs & Breather Valves

SAP
Master Data
CM Work Order
PM Work Order

Besides data exchange, Tags have to be broken by materials, shapes and finally test measurement locations.

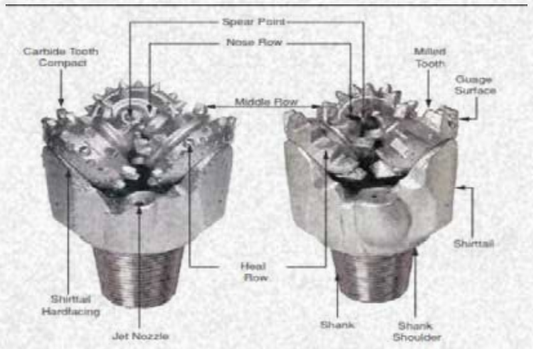
RBI, CMF
CoF
PoF
DM Assessments
IOW

Data has to be imported to provide meaning to CLs and to begin the RBI risk management and control process

DRILLING-BITS

TYPES LL-BITS AND THEIR USES

1. Development of the roller cone bit
2. Multiple cone and jet arrangements in roller bits
3. Cone lubrication methods
4. Diamond bit drilling and coring procedures
5. Polycrystalline (PDC) drilling-bits



Elements of a rock bit (Courtesy of Hughes Christensen)

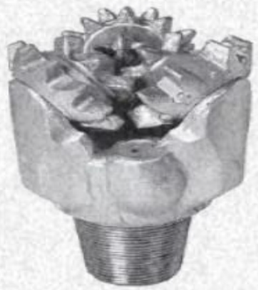
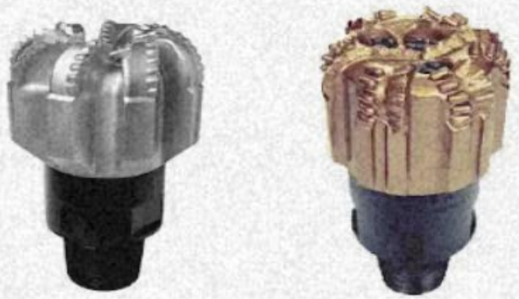


Fig.4 Mill Tooth drilling Bits Type used in oil and gas wells


Fig.5 Insert Bits

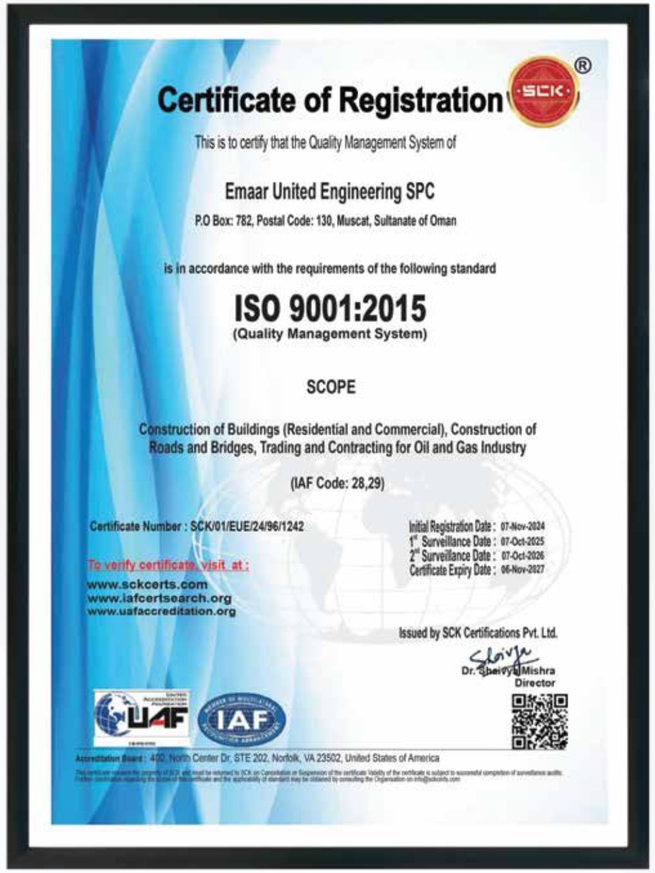

Polycrystalline diamond compact

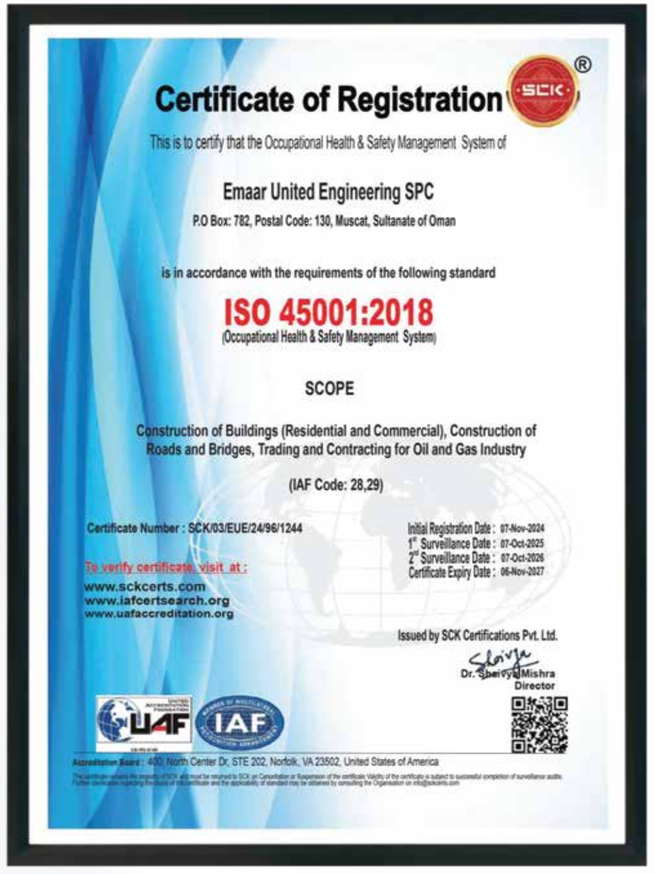
OTHER SERVICES

SUPPLY SERVICES :-

1. Oil Field Supply ie Valves, flanges etc…
2. Catalyst and chemical supply
3. Safety Equipment supply (PPE’s) Tools
4. Security Services and eqpt CCTV, consultancy and Project Management etc..
5. Electrical Supplies ie Cables, Insulator, truncking junction boxes etc..

ISO CERTIFICATION





CERTIFICATES

JSRS
joint supplier registration system

CERTIFICATE OF APPROVAL

Awarded to

EMAAR UNITED ENGINEERING SPC

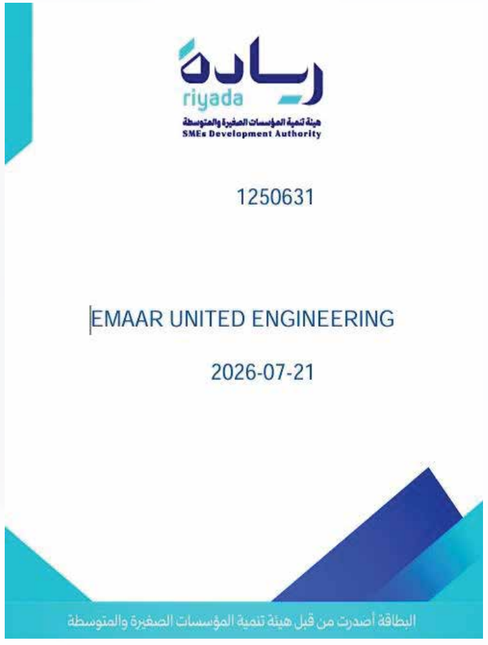
As an Approved Supplier to the Oman Oil & Gas Industry's Joint Supplier Registration System (JSRS)

Country of Origin : Oman
JSRS Supplier Code : OM115635
Registration Date : 30-04-2024
Valid til : 30-04-2027
Special Status : NIL
National SME Classification : Non-SME

businessgateways INTERNATIONAL

وزارة الطاقة والمعادن
Ministry of Energy and Minerals

This Certificate is issued for supplying Products & Services to Oil & Gas and other related industries in Oman and is not valid to acquire permits from other Governmental or Non-Governmental agencies.



ريادة
riyada
هيئة تنمية المؤسسات الصغيرة والمتوسطة
SMEs Development Authority

1250631

EMAAR UNITED ENGINEERING

2026-07-21

البطاقة أصدرت من قبل هيئة تنمية المؤسسات الصغيرة والمتوسطة

شهادة السجل التجاري
Commercial Registration Certificate

منصة عُمان للأعمال
Oman Business Platform

Registration Details / تفاصيل السجل

Registration Number / رقم السجل: 1250631
Registration Name / اسم السجل: إعمار الهندسية المتحدة ش م م / EMAAR UNITED ENGINEERING SPC
Legal Type / الشكل القانوني: Sole Proprietor Company / شركة الشخص الواحد

Registration Address / عنوان السجل

Head Quarter / المركز الرئيسي: As Seeb / Al Seeb / Muscat Governorate
E-mail / البريد الإلكتروني: info@emaanoman.com
Mobile / هاتف نقال: 968 95551122
P.C. / ر.ب: 130
P.O. BOX / ص.ب: 782

Registration Information / بيانات السجل

CR Span/Years / مدة التسجيل/سنوات
Fiscal Year End / نهاية السنة المالية: 10/03 — 03/10
Register Status / حالة السجل: Active / نشط
Establishment Date / تاريخ التأسيس: 10/03/2016
Registration Date / تاريخ السجل: 30/03/2016
Expiry Date / انتهاء الصلاحية: 04/05/2026

Share Capital Information / بيانات رأس المال

Capital Cash / رأس المال النقدي (ر.ع): 250,000
In-kind Capital (OMR) / رأس المال العيني (ر.ع): 0
Total Capital (OMR) / إجمالي رأس المال (ر.ع): 250,000
Number of Shares / عدد الأسهم: 250000
Tax Identification Number / رقم التعريف الضريبي: 1018654
CR Mortgaged / السجل التجاري مرهون: No - لا
Foreign Investment / مشاركة للاستثمار الأجنبي: No - لا
Foreign Investment pct. / نسبة للاستثمار الأجنبي: 0%
Share Value / قيمة السهم: 1.000

Business Sector / قطاع الأعمال

Oil and Gas Extraction	S1	استخراج النفط والغاز
Markets and Commercial Centers	S4	الأسواق والمراكز التجارية
Administrative Services	S11	الخدمات الإدارية
Logistics Services	S13	الخدمات اللوجستية
Agriculture and Animal Production	S14	الزراعة والإنتاج الحيواني
Leather Industries	S17	الصناعات الجلدية
Food Industry	S21	الصناعات الغذائية
Housewares Trade	S32	تجارة الأدوات المنزلية

Sultanate of Oman
TAX AUTHORITY

سلطنة عُمان
جهاز الضرائب

البطاقة الضريبية
Tax Card

Tax Card No. : 8312259 — رقم البطاقة الضريبية :
TIN : 1018654 — رقم التعريف الضريبي :
Name : EMAAR UNITED ENGINEERING — الاسم : إعمار الهندسية المتحدة ش م م
CR. No. / License No. : 1250631 — رقم السجل التجاري / رقم الترخيص :
Expiry Date : 22/10/2026 — تاريخ الانتهاء :

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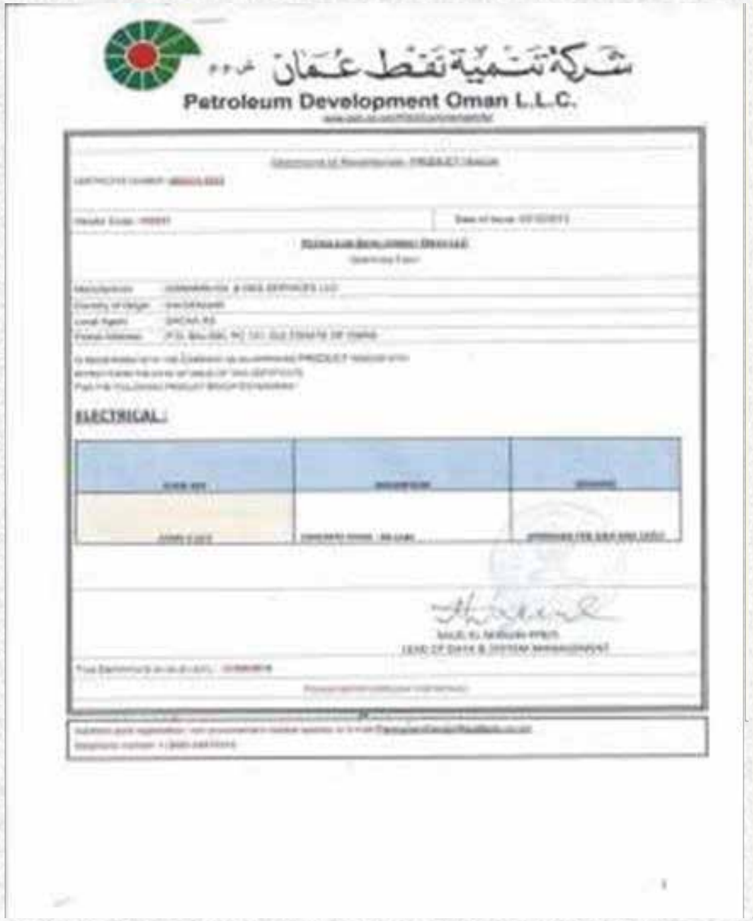
CERTIFICATES




شركة تنمية نفط عمان
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