

ROYAL TECH OIL AND GAS FIELDS SERVICES LLC

شركة رويال تك لخدمات حقول النفط والغاز ذ.م.م



ROYAL TECH

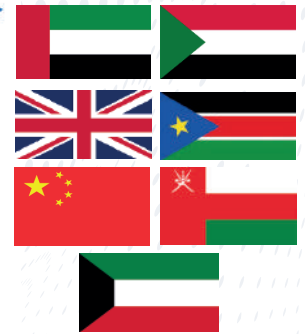
OIL AND GAS FIELDS SERVICES LLC

شركة رويال تك لخدمات حقول النفط والغاز ذ.م.م

Innovative Solutions for Sustainable Future



Royal Tech Global Network



Royal Quality
General Trading LLC
Incorporated on 2013
Dubai - UAE



Royal Quality Fuel and
Petroleum
Incorporated in 2013, in
Dubai, UAE.



R.QUALITY GENERAL TRADING
LTD 15765114 - Incorporated on
June 2024, Brentford, United
Kingdom



Royal Quality
General Trading LLC
Incorporated in 2023 in
Juba, South Sudan.

COOPERATION AGREEMENT

合作协议



ROFS Company Overview

Royal Tech Oil and Gas Fields Services LLC is a comprehensive provider in the oil and gas industry, offering a wide range of solutions and supplies. Our services include oil field development, asset management, and environmental solutions, focusing on production enhancement, reservoir management, HSE, bioremediation, and green energy initiatives. The company also integrates smart technologies such as AI, nanotechnology, and field digitization to optimize operations. Additionally, We supply essential oil and gas equipment, including drilling and production tools, artificial lift systems, and chemicals for production, drilling, and enhanced oil recovery.



Our Vision :

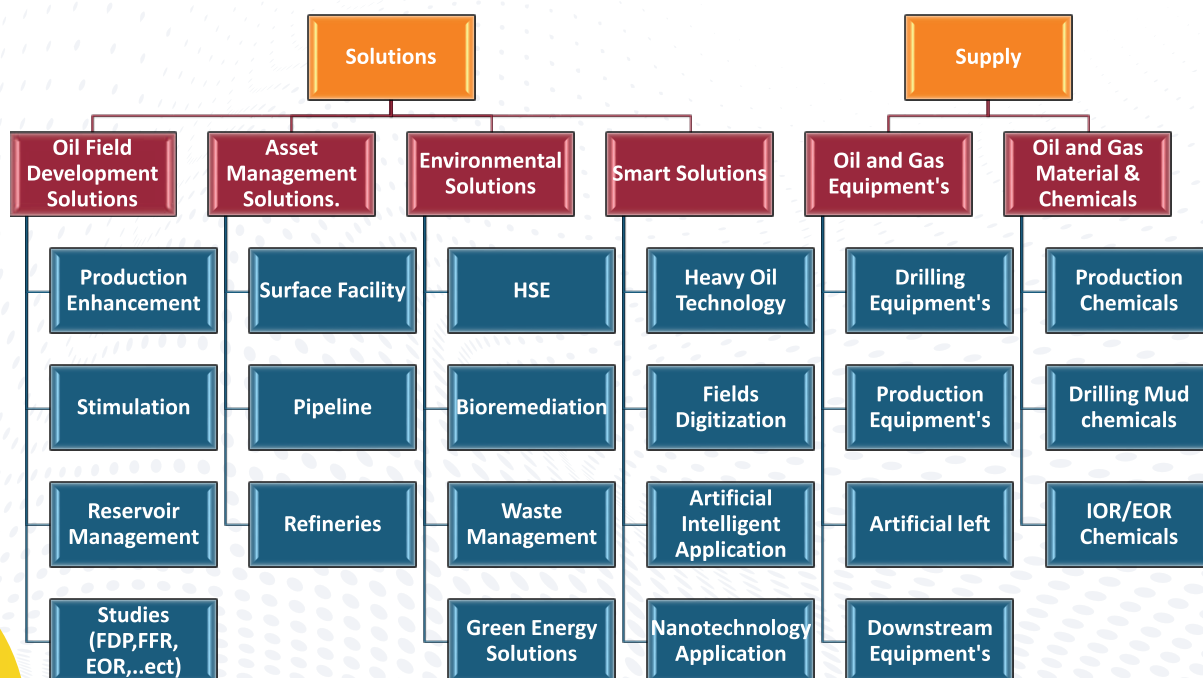
Our vision is to grow to be the trusted name in the Middle East and Africa providing outstanding services and innovative solutions for oil and gas fields that are efficient, sustainable, and green.

Our Mission:

The firm focuses on solving oil and gas field challenges through scientific investigation, expert collaboration, and customized, sustainable solutions. It emphasizes continuous research, innovation, and developing cutting-edge technology for client challenges.

Additionally, the firm provides competitive oil and gas services, high-quality equipment, and materials at competitive prices. Our goal is to enhance productivity, maximize asset returns, ensure safety and environmental standards, and create value for stakeholders through a win-win business approach

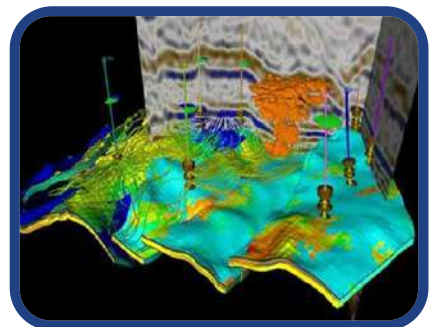
Royaltech Services Structure



Provision of Oil and Gas Services Projects and Solutions

1. Conduct FDP/FFR Studies.
2. OOIP and Reserves Estimation, Verification, and Certification Utilizing Latest Methodologies.
3. Production Enhancement Solutions.
 1. Thermal EOR projects (CSS, SF, SAGD).
 2. Chemical EOR projects (Polymer, Surfactant, Alkaline).
 3. Nanotechnology for EOR Application.
 4. Chemical Water Shut Off.
 5. IOR/EOR Project Screening, Designing, Implementation and Evaluation.
4. Flow line and Pipeline maintenance.
5. Reservoir Evaluation (Logging, PLT, and Tracers etc.).
6. HSE & Environmental Solutions (Bioremediation, waste management).
7. Petroleum Engineering Training and Consultancy.

ROFS IOR/EOR Solutions



Screening

Lab Study



**ROFS
PARTNERS**



Pilot Design

PM



Pilot
Implementation

Chemical /
Equipment's Supply



**ROFS
PARTNERS**



Pilot Evaluation

Operation



Full Field Study



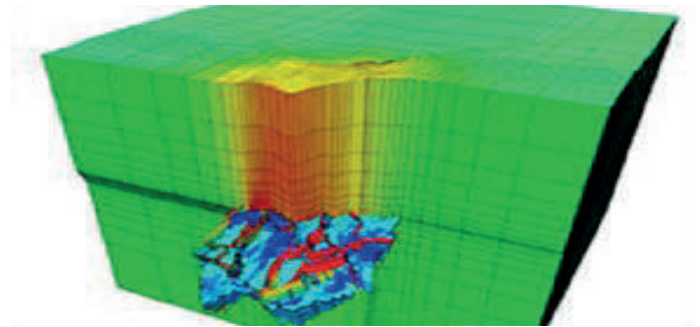
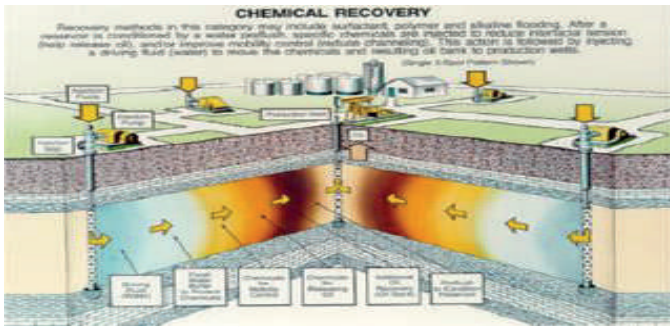
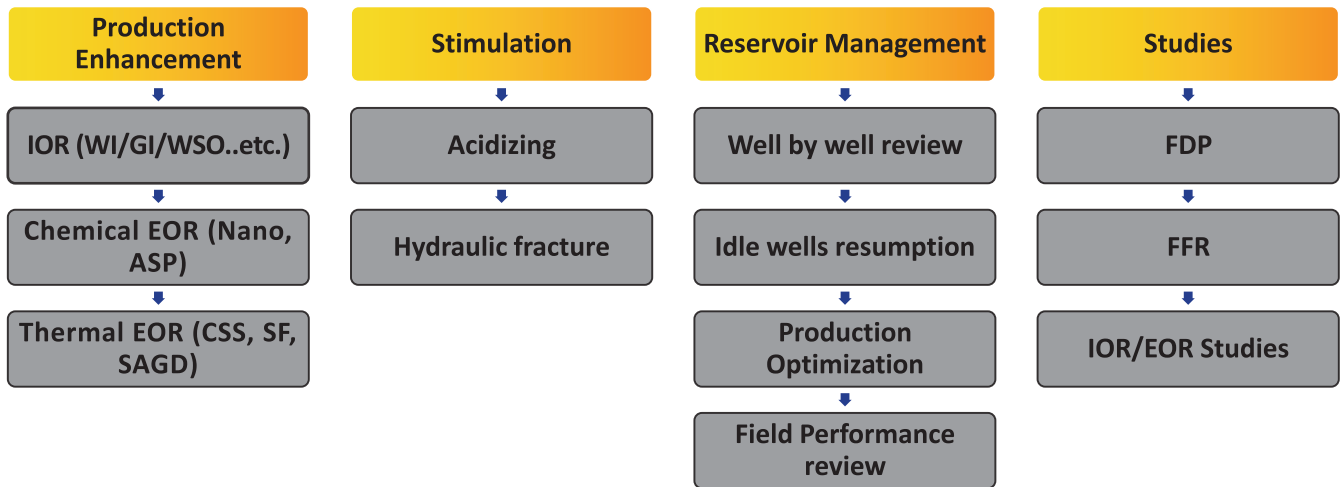
Full Field
Implementation

Production Enhancement

- Stimulation
- IOR (WI/GI/WSO...etc.)
- EOR Studies
- Chemical EOR (Nano, ASP)
- Thermal EOR (CSS, SF, SAGD)

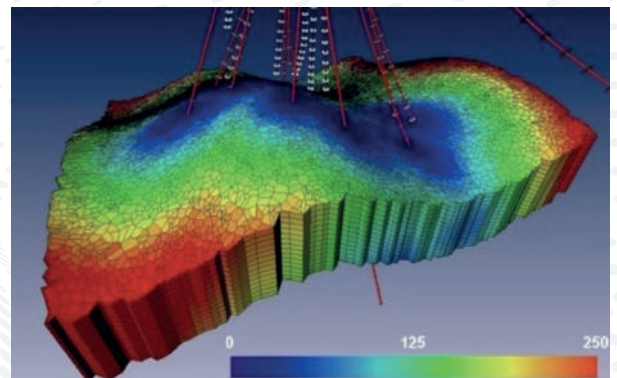
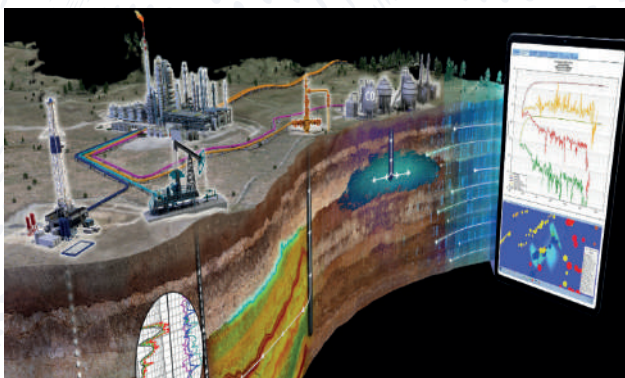
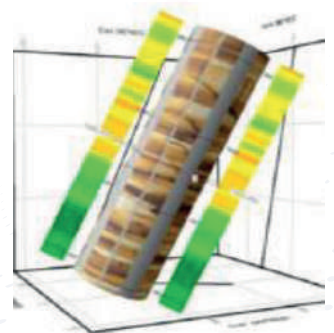
ROFS Solutions

Oil Field Development Solutions



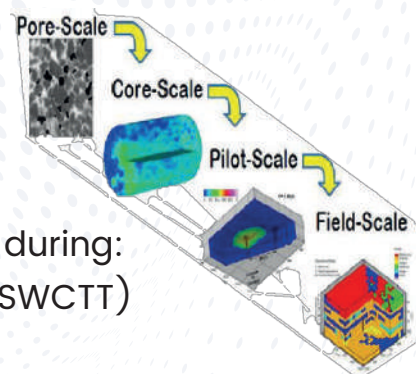
Technical Consultancy Services

- Resource Evaluation
- Field Development Planning
- Reservoir Management
- Waste Management
- Improved and Enhanced Oil Recovery
- Numerical Modeling
- Production Optimization Water flooding and its Optimization



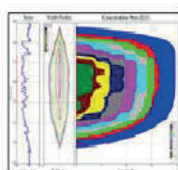
IOR/EOR Full Cycle

- IOR/EOR screening
- Numerical modeling for EOR evaluation
- Laboratory analyses and design
- Design, support, evaluation of and performance control during:
 - Injectivity test or Single Well Chemical Tracer Testing (SWCTT)
 - Interwell pilot
 - Full-field application



Well Performance Services

- Well stimulation
- Water & gas shutoff
- Polymer, Surfactant, ASP Flooding
- Miscible CO₂ flooding
- Immiscible gas flooding
- Low-salinity flooding
- Foam EOR



Heavy Oil Development

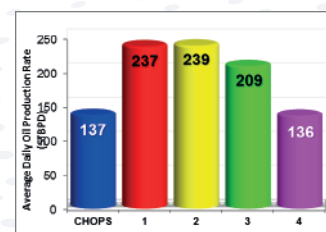
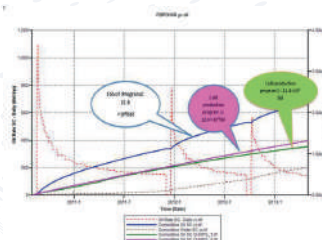
Methods:

- Cyclic Steam Stimulation (CSS).
- Steam Flooding.
- Hot Water Injection
- Chemical.
- Steam Assisted Gravity Drainage (SAGD).



Advantages of the thermal methods:

- Reduce oil viscosity
- Improve oil mobility.
- Recovery Factor can be increased by up to 40–50% by using thermal methods.
- Reasonable cost.



Supply of Oil and Gas Equipment and Materials



- ❖ Supply of Drilling, work over and completion equipment and spare parts
 Artificial lift (ESP, PCP, BPU, ..ect)..
 Casing. Tubing. Wellheads. Valves. Packers,...etc.).
- ❖ Supply of Oil and Gas Chemicals
 Production chemicals. Drilling mud chemical.
- ❖ Supply of HSE Materials and equipment's.
 PPE. Gas detectors. Environmental surveillance devices,...etc.).
- ❖ Flow line and Pipeline maintenance material supply.
- ❖ Thermal Equipment (Thermal wellhead, thermal casing, tubing (VIT) and thermal compensator and Packers).
- ❖ Production and down hole tools and chemicals.
- ❖ Flow Line Pressure Switch
- ❖ Production surface equipment's (Eco meters, monitor instruments)
 (pressure and temperature gauge).

Midstream and Downstream Solutions



- ❖ Project Management, Engineering.
- ❖ Operation & Maintenance for Oil & Gas Facilities(O&M).
- ❖ Flowline and Pipeline maintenance.
- ❖ Oil & Gas Equipmentand Spare Parts Supply.
- ❖ Procurement, Construction, Commissioning (EPCC) in Oil & Gas services
 (Pipelines & Storage facilities, Gas processing plants, Gas Processing Modules).
- ❖ Petrochemical industries.
- ❖ Power Plants.
- ❖ Refining.
- ❖ Inspection Technology.
- ❖ Environment treatment.
- ❖ Other oil & gas field services in Upstream, Midstream and Downstream

Environmental and Sustainable Energy Solutions

Royal Tech. is dedicated to transforming the energy landscape with innovative, sustainable solutions that meet the needs of today while preserving the planet for tomorrow.

Tagline: Innovating Today for a Sustainable Tomorrow

Our Core Values:

- **Sustainability:** We are dedicated to creating solutions that promote longterm environmental health, safety and sustainability.
- **Innovation:** We leverage the latest technological advancements to drive progress in the energy sector.
- **Integrity:** We uphold the highest standards of ethics and transparency in all our operations.
- **Collaboration:** We believe in working together with stakeholders, communities, and partners to achieve common goals and promote steady pace business growth.



Kerui Cooperation Agreement

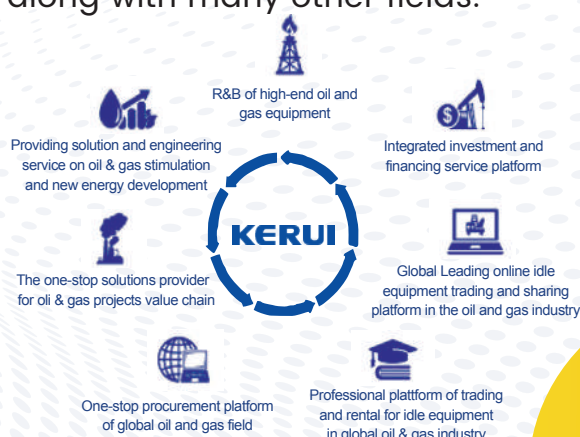


ROFS & Kerui IOR/EOR Solutions

KERUI Petroleum is an international comprehensive industrial group that is committed to making the acquisition of oil and gas more efficiently. KERUI integrates and innovates in areas such as equipment, technology, human resources, finance and assets in the global oil and gas energy industry.

KERUI's business covers the R&D of high-end oil and gas equipment, oil and gas energy engineering and oil field integration services, industry and internet platform services, industry training and human resources services along with many other fields.

KERUI



ROFS & KERUI IOR/EOR Solutions



ROFS & SOPAN EPC Solutions



EPC Projects

- NG/Biogas/CBM production handling facilities
- Oil & Gas Depots/Terminals for OMCs
- Refineries/ Petrochem./ Fertilizer Plant packages
- LNG/LPG Import Terminal
- Pipelines and Fire Fighting Systems
- City Gas Distribution Infrastructure



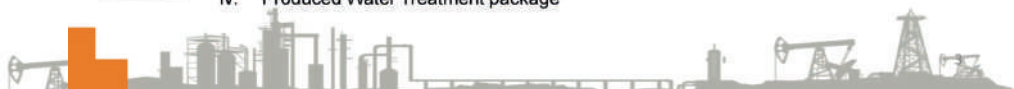
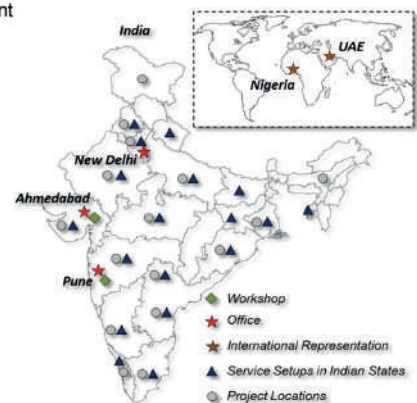
O&M Services

- Compressors/ Compression Plants
- Cross-country Pipelines
- Process Units/ Tank Farms/ Utilities
- Exploration & Production Facilities
- Industrial Fueling Systems

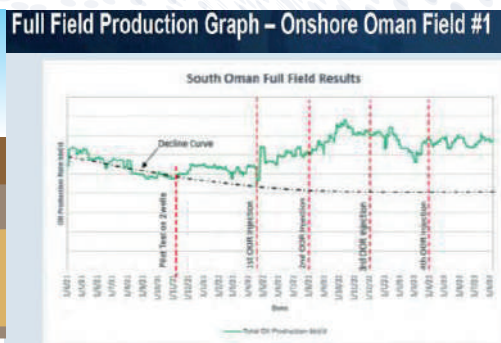
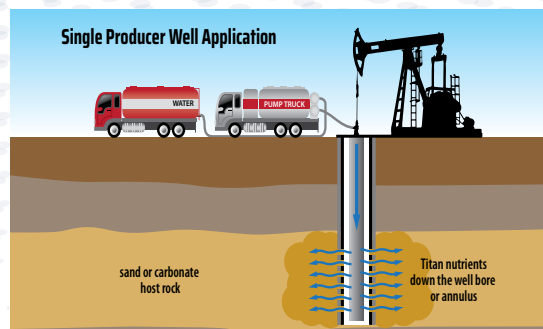


Equipment & Systems

- Compressors
- Gas Utility Systems
- Process Units
- Produced Water Treatment package

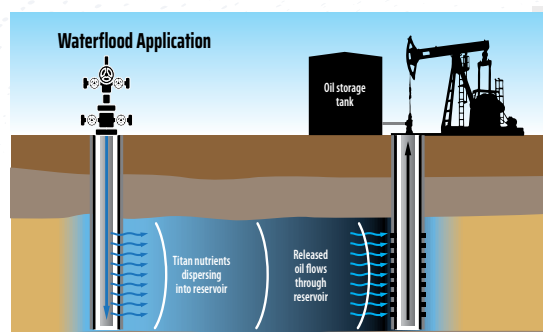


ROFS & HUNTING Solutions



Organic Oil Recovery

- **Zero** Capex
- Four week lead from receiving lab report
- Applied as batch treatment (up to 4/yr)
- Only Tanks and Pump Required
- Low Volume Supplemental
- Applicable to temperatures of up to 121°C
- No Disposal or Aquatic Issues
- **Environmentally** friendly
- Can Reduce H₂S Significantly



Best EOR Technology

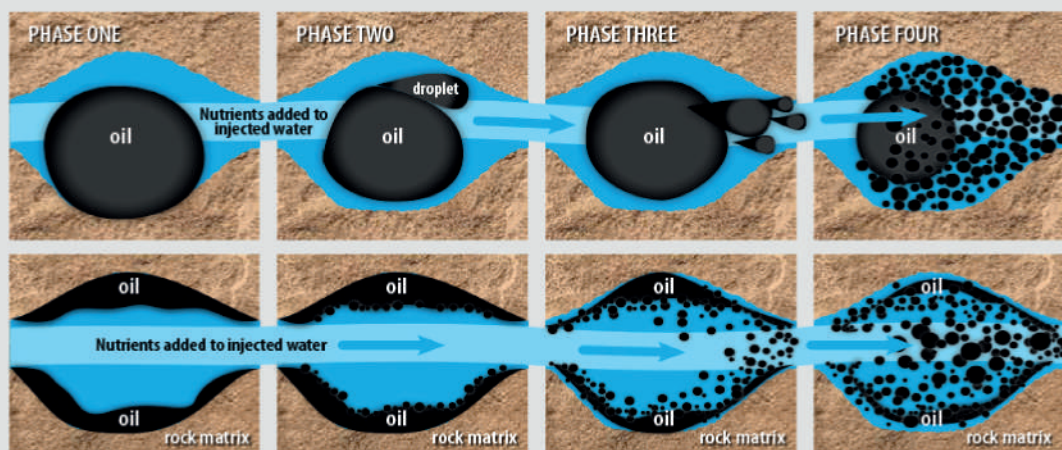
- AquaCUT™ Relative Permeability Modifier - **Baker Hughes**
- Emulsion Viscosity Reducer (EVR) Technology - **ChampionX**
- Organic Oil Recovery - **Hunting PLC**
- Zero-Flaming Invention to boost production from Low-Pressure Oil Wells and Revival of Dead Wells - **Saudi Aramco**
- Excelceor™ technology - **ChampionX**



Technology Breakthrough: 61 Oil Fields, 300+ Well Applications, 94% Success Rate

The creation of micro-oil droplets is designed to recover trapped and immobile oil. This technology is an entirely new direction in the field of microbial enhanced oil recovery (MEOR).

Micro-oil droplets created by Titan's Organic Oil Recovery® Technology are the answer to releasing trapped oil from the rock pores. The breakthrough is using microbial energy within the pore spaces.



- Injection of nutrients
- Targeted microbes respond
- Microbes move away from water and rock surfaces
- Microbes surround, attach to and dislodge oil
- Trapped oil becomes micro-oil droplets
- Oil now flows more easily through rock pores

Global Results: Treatment Summary

Type	Number of Treatments	Number of Wells	Number of Increases	Success Rate	Oil Increase
In-Situ Producer Test	49	47	36	73%	140%
Producers	19	18	17	89%	133%
Injectors	238	81	234	98%	54%
Total	306	146	287	94%	92%

IMPORTANT NOTE: Production increases have lasted between 30 days and 3 years from a single application.



Reservoir
modification chemicals



Wellbore and
pipeline chemicals



Enhanced Oil
Recovery Chemicals



Oil and water
treatment chemicals

- ❖ With 20 years of industry leading experience and high-standard product technology system, Deshi provides customers with high - quality oilfield EOR services, and serves the world in the field of oil stimulation and enhanced oil recovery.
- ❖ Complete solutions for EOR and related technologies, product R&D and production. Over 200 sets of scientific research equipment.
- ❖ Annual R&D investment is %6 of sales revenue.
- ❖ Products are comparable to top international chemical suppliers.
- ❖ Exports to more than 20 countries.
- ❖ Production center includes 21 sets of polymerization equipment.





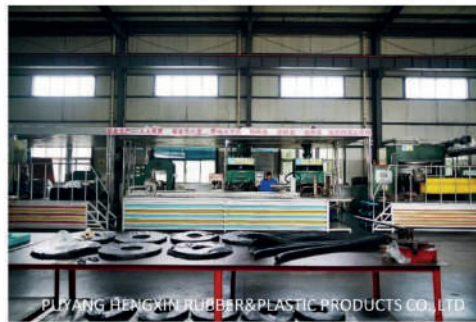
**HENGXIN
TECHNOLOGY**
亨鑫科技



Machining Design workshop

Production Workshop

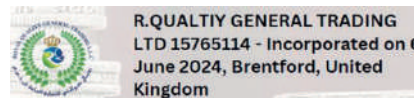
Quality control and Packaging workshop



Collaboration International Partners



CRISTOL™
Better Chemistry, Better Value



Certificate of Registration

This is to certify that the Quality Management System of

ROYAL TECH OIL & GAS FIELDS SERVICES L.L.C

Business Avenue, Office No. 609, Port Saeed Road - Sheikh Rashid Rd - Al Khabaisi, Dubai, UAE

is in accordance with the requirements of the following standard

ISO 9001:2015
(Quality Management System)

SCOPE

Providing Solutions & Services including Project Management, Engineering, Operations, Maintenance, Equipment and Materials Supply for Upstream, Midstream and Downstream Oil & Gas Fields

Certificate Number : 051024019713 (IAF Code: 28,29,34)

Initial Registration Date : 05-Oct-2024
1st Surveillance Date : 05-Sep-2025
2nd Surveillance Date : 05-Sep-2026
Certificate Expiry Date : 04-Oct-2027

To verify certificate, visit at :
www.arscert.com
www.uaifaccreditation.org
www.uaifaccreditation.org

Issued by ARS Assessment Private Limited

Managing Director




UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America
This certificate is issued by ARS and is not valid for use outside the scope of the certificate. The certificate is subject to successful completion of surveillance audits. Further certification regarding the scope of this certificate and the applicability of standard may be obtained by consulting the Organization on info@arscert.com

Certificate of Registration

This is to certify that the Occupational Health and Safety Management System of

ROYAL TECH OIL & GAS FIELDS SERVICES L.L.C

Business Avenue, Office No. 609, Port Saeed Road - Sheikh Rashid Rd - Al Khabaisi, Dubai, UAE

is in accordance with the requirements of the following standard

ISO 45001:2018
(Occupational Health and Safety Management System)

SCOPE

Providing Solutions & Services including Project Management, Engineering, Operations, Maintenance, Equipment and Materials Supply for Upstream, Midstream and Downstream Oil & Gas Fields

Certificate Number : 051024019715 (IAF Code: 28,29,34)

Initial Registration Date : 05-Oct-2024
1st Surveillance Date : 05-Sep-2025
2nd Surveillance Date : 05-Sep-2026
Certificate Expiry Date : 04-Oct-2027

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Certificate of Registration

This is to certify that the Environmental Management System of

ROYAL TECH OIL & GAS FIELDS SERVICES L.L.C

Business Avenue, Office No. 609, Port Saeed Road - Sheikh Rashid Rd - Al Khabaisi, Dubai, UAE

is in accordance with the requirements of the following standard

ISO 14001:2015
(Environmental Management System)

SCOPE

Providing Solutions & Services including Project Management, Engineering, Operations, Maintenance, Equipment and Materials Supply for Upstream, Midstream and Downstream Oil & Gas Fields

Certificate Number : 051024029714 (IAF Code: 28,29,34)

Initial Registration Date : 05-Oct-2024
1st Surveillance Date : 05-Sep-2025
2nd Surveillance Date : 05-Sep-2026
Certificate Expiry Date : 04-Oct-2027

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JSRS
joint supplier
registration system

CERTIFICATE OF APPROVAL

Awarded to

ROYAL TECH OIL & GAS FIELDS SERVICES L.L.C

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

Country of Origin :	United Arab Emirates	JSRS Supplier Code :	AE102361
Registration Date :	11-03-2025	Valid till :	18-03-2026
Special Status :	Not Applicable	National SME Classification :	Not Applicable



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.

Expiry Date : 18/03/2026 / Issued On : 12-03-2025

Sponsorship

Unlock the opportunity to connect with the region's top emerging talent by sponsoring the SPE ADIPEC University Programme. Gain exclusive access and visibility to the brightest minds poised to join the industry. For more information, reach out to Jackie Hoffmann.

Contact Us

If you have any questions or require further information, please feel free to contact us directly by emailing Jackie.Tadros@regionalactivities.com.



ExxonMobil



Certificate of Appreciation

The Society of Petroleum Engineers (SPE) gratefully acknowledges



ASSOCIATE SPONSOR

2024 SPE ADIPEC University Programme

SPE Regional University Programme in Conjunction with ADIPEC
Abu Dhabi - United Arab Emirates
3 - 5 November 2024



Olivier Houzé
2025 SPE President





Simon Seaton
SPE CEO and
Executive Vice President





Innovative Solutions for Sustainable Future



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