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KRJT-EN1903





More Efficient in Oil & Gas Extraction

About KERUI

KERUI Petroleum & Gas is an international comprehensive industrial group committed to making the extraction of oil and gas more efficient, Headquarters of KERUI Group is located in Dongying city the place where the second largest oilfield in China-Shengli Oilfield is located. So far, we have more than 8000 employees worldwide, providing customers one-stop solutions including R&D of high-end oil and gas equipment, oil and gas energy engineering and oil field integration services, industry + internet platform services, and industry training & human resources services etc. Taking the full advantages of equipment, technology, services, talents and platforms, and multi-field business models development, KERUI Petroleum & Gas is upgrading from solutions providing to a win-win eco-industrial chain.

After years of developments, KERUI Petroleum & Gas has grown to an internationally famous energy industry group. For years, KERUI has been listed among the top 500 private enterprises in China, top 50 petroleum and petrochemical equipment manufacture enterprises in China, top 225 ENR international engineering design enterprise, top 250 ENR international contractor, awarded China trademark Gold award, Madrid special award for international registration of trademark, China petroleum and petrochemical equipment manufacture enterprises famous-brand products etc. multiterm honorary titles.

KERUI, firmly believes that technology leads the future and service creates value, adheres to customer-centered, market-oriented, uses its sincere, professional, dedicated craftsmen spirit and solid effort to promote the development and progress of global oil and gas industry.

Enterprise Mission

More Efficient in Oil & Gas Extraction

Enterprise Vision

Be the world's first-class solution provider of oil & gas development and utilization



R&D of High-end Oil & Gas Equipment



An efficient supply chain service platform



Oil & Gas Stimulation and New Energy Development



t supply Professional platformervice of trading and rental for idle equipmen



One-stop Solutions for Oil & Gas Engineering Value Chain



Industry Training and Human Resource Services

AN INTERNATIONAL OIL AND GAS ENERGY COMPREHENSIVE INDUSTRY GROUP

R&D of High-end Oil & Gas Equipment

- High-end intelligent drilling & completion equipment
- specialized nitrogen generation and injection equipment for oilfield
- customized natural gas compression equipment
- High-end marine wellhead well control equipment
- Unconventional oil & gas exploration and development equipment
- Intelligent artificial lift oil extraction equipment
- Off-shore oil & gas exploration equipment

Oil & Gas Stimulation and New Energy Development

- Drilling & workover engineering services
- Gas stimulation services
- Fracturing stimulation technical services for oil-gas field
- New energy development technologies
- Integrated management of oil-gas field production

One-stop Solutions for Oil & Gas Engineering Value Chain

- Natural Gas Processing & Utilization
- Oil & Gas Gathering, Transportation & Storage
- Refinery & Petrochemical
- Geothermal Energy

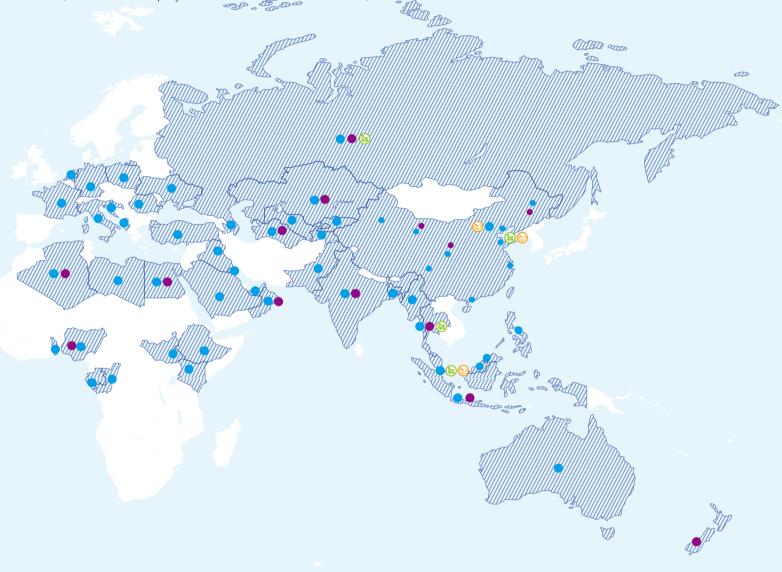
Industry + Internet Platform Service

Efficient Supply Chain Service e-Platform in Oil & Gas Industry Global Idle Equipment Trade Service Platform in Oil & Gas Field



GLOBAL MARKETING SERVICE NETWORK

KERUI Petroleum & Gas always uphold open, innovative, responsible brand concept, established integrated global marketing network, service network, supply chain network, logistics network. Set up constituent company and office in more than 57 countries, build regional service center and spare parts warehouse in more than 33 countries and areas, the oversea employee's localization rate is over 60%, business covers more than 80 countries and areas.



8,000+ Employees 60% Local Employee Rate

Branches



North America Canada

U.S.A Mexico

South America

Colombia Argentina Bolivia Trinidad and Tobago Suriname Peru Ecuador Brazil Panama

Africa Algeria

Chile Egypt

Gabon Congo (Brazzaville) Nigeria South Sudan Ethiopia Kenya Ghana

Libya

Manufacturing Bases R&D Center Spare Parts Warehouse and Service Station

Iraq Kuwait Oman Saudi Arabia Turkey Europe Russia Middle East Ukraine

UAE

Azerbaijan France Italy Holland Germany Poland Romania Albania Croatia

Central Asia Kazakhstan Turkmenistan Kyrghyzstan Tajikistan Uzbekistan

Asia&Pacific Indonesia Australia

India China Malaysia Beijing Brunei Shanghai Pakistan Tianjin Bangladesh Dongying Thailand Xinjiang Philippines Qinghai Myanmar Sichuan Singapore Daging

Xi'an Zhanjiang



Established 16 technology R&D centers and 16 scientific research laboratories in many regions of the world, including China, the United States, Singapore, Canada, and so on. Over 1000+ patented technologies and 1500+ research outcomes, 4% of the sales revenue as R&D investment per year.

More than 2,000 full-time technical R&D personnel, of which 60% are middle and senior engineers, and 30% are technical developers with over ten years experience.

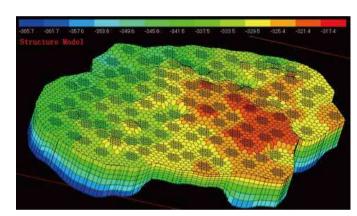


2,000+ Scientific Research Achievements

Graduate Students

60% Senior Engineers

Technology Developers 30% 10+ Years'



PRODUCE AND STUDY

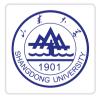
KERUI Petroleum & Gas cooperate and build good relationship with more than 30 universities, research institutes and industry benchmarking companies at home and abroad, including Calgary University, China University of Petroleum, Harbin Institute of Technology, Shandong University, PetroChina, Shengli Oilfield ,KCAD and GE.



























GLOBAL COOPERATION

A powerful partner is a solid guarantee that KERUI continues to provide high-quality services for clients. We have more than 3,900 stable strategic supply partners worldwide for over 8,000 customers such as Saudi Aramco, YPF, Lukoil, Arrow, Saipem, OGDCL, KCAD, ENTP, etc. In more than 80 countries and regions providing high-quality services and practical products for our clients, and have won our customer's deep trust.

3900+ Suppliers and Partners









































































































R&D OF HIGH-END INTELLIGENT OIL AND GAS EQUIPMENT

KERUI is committed to providing the most practical products, top-quality services and suitable comprehensive solutions for oil & gas fields worldwide.

We operate in 2.4 million square meters of the high-end oil equipment industrial park. Our products cover oil & gas exploration, development, gathering, transportation processing and marine equipment. We have plenty of experence in supplying in drilling and workover equipment, oil & gas stimulation equipment, gas compressor equipment, well control equipment, oil field consumable parts and chemical products.

KERUI has significant industry advantages in oil and gas drilling, oil and gas gathering and treatment, refinery auxiliary and water treatment etc., equipment manufacturing and integrated services, can effectively reduce customer procurement costs.

7

2400,000 m²

Global Production Base

High-End Petroleum Equipment Industrial Park

S

Product System

- High-end intelligent drilling & completion equipment
- Specialized nitrogen generation and injection equipment for oilfield
- Unconventional oil & gas exploration and development equipment
- Customized natural gas compression equipment
- High-end marine wellhead well control equipment
- LNG production module
- Intelligent artificial lift oil extraction equipment
- Off-shore oil & gas exploration equipment
- Pumps series.

300+

Product Classification

HIGH-END INTELLIGENT DRILLING & COMPLETION EQUIPMENT

Covering an area of 600,000 square meters, KERUI's drilling equipment production base utilizes 350+ technology R&D employees, 400+ sets of production equipment as well as state-of-the-art, stable and reliable components of internationally famous brands to offer you customized, highly efficient drilling equipment and services.

60+

480+

Countries and Regions Global drilling and workover rig performance(sets)

PRODUCT SERIES

- 1000HP-3000HP Land Rig
- 150HP-1000HP Truck-Mounted and Workover Rig
- Special Land Rig: Arctic Drilling Rig, Fast-Moving Drilling Rig, Teaching Drilling Rig, etc.
- Main drilling rig component: Mast, Substructure,
 Drawworks, Rotary Table and so on.
- Drilling equipment

KERUI drilling and workover rig operation & maintenance service center

24 hours dedicated service station, professional rig maintenance and repairing team, spare parts supply team, training base and global spare parts warehouse and repairing workshop, provide one-stop service.

Scope of Service

- Rig routing inspection + online support + equipment upgrading and rebuilding + equipment detection and maintenance
- Spare parts and consumable supply + inventory management + drilling and workover rig tools selling and rental + Personnel training
- Saudi Arabian Oil Company, 3000HP intelligent fast-moving desert drilling rig

KERUI Petroleum & Gas is the first Chinese ultra-deep drilling rig supplier of Saudi Arabian Oil Company, the drilling rig platform achieved unmanned and

























SPECIALIZED NITROGEN GENERATION AND INJECTION EQUIPMENT FOR OILFIELD

- National Ministry of Industry and Information manufacturing single champion cultivating enterprise. (Membrane Separation/PSA Nitrogen Generation equipment).
- The first domestic Nitrogen generation and Injection Equipment Industry Standards which are edited by KERUI Petroleum & Gas are officially issued.
- Nitrogen Generation equipment award National patent for invention Golden Bridge Awards.
- The first domestic Nitrogen generation products manufacturing enterprise with special vehicle qualification, widely used in domestic and overseas oil field.

Product Series

Membrane Separatio Nitrogen Generation Equipment

- Offshore platform skid-mounted membrane separation nitrogen generation unit
- Onshore skid-mounted membrane separation nitrogen generation unit
- Onshore truck-mounted membrane separation nitrogen generation unit

Liquid Nitrogen Pumper

- Direct-fired liquid nitrogen pumping unit
- Waste heat recovery type liquid nitrogen pumping unit

PSA pressure swing adsorption nitrogen equipment

- The skid-mounted type
- Combined mounting type

80%

The Chinese Market Shai in Nitrogen Equipment >99%

ogen Generation

70MPa



UNCONVENTIONAL OIL & GAS EXPLORATION AND DEVELOPMENT EQUIPMENT

Fracturing Units

- High pressure and high power, with maximum working pressure of up to 140MPa, maximum single pump displacement of up to 3.13m³/min.
- Integrated, intelligentized and telecontrol, can at most monitor 4 blenders and control 36 pumpers simultaneously.
- Unique design enables working in the ambient temperature of -45°C \sim 55°C.

Coiled Tubing Unit

- Injector series cover from 40,000lbs to 140,000lbs, with coiled tubing ranging from 1.25" to 3.5", maximum reel capacity of up to 3.5" 3000m.
- Professional design, serial production and multiple options, custom-made desert CTUs and skid-mounted explosion-proof CTUs are available.

Cementing Unit

- Maximum working pressure of 97MPa, maximum mixing capacity of 2.3m³/min.
- High intelligence, digital control technology and simulation operation can be realized.
- Unique mixing control system accurately adjusts the cement density to be stable and uniform.

Fracturing Pumps, Cementing Pumps

- Fluid end valve housing adopts high quality forged alloy steel, the inner cavity is treated by self-reinforcing technology, which effectively increases the life of the pump head by more than 50%.
- Core pump accessories are independently developed and manufactured with high compatibility.











 China XinJiang 1800 cubic meter 50MPa High pressure Membrane Separation/PSA Nitrogen Generation equipment working site



O Russia LNP-180K/70Q High cold liquid nitrogen pump working site



• Ghana PSA Molecular sieve nitrogen preparation equipment working site



O Iraq oil and gas stimulation equipment working site



O China Tuha Oilfield fracturing equipment working site



O Turkey coiled tubing equipment working site

CUSTOMIZED NATURAL GAS COMPRESSION EQUIPMENT

American Ariel authorized packaged dealer, experienced R&D and project management team, global service network, can provide Natural gas processing and application of equipment matching ISO, API, ASME etc. international quality standard, high performance-to-price ratio of the whole natural gas industry chain integrated process solution and after sale operation and maintenance and other customized service.

Product Series

Skid-mounted design and nanufacture of compressor unit

- Reciprocating Compressor
- Screw Compressor

Natural gas processing equipment

- skid-mounted high efficiency three phase separator
- Gensets
- Sales gas metering device
- Skid-mounted water bath heating furnace

Service

- Compressor Installation and
- Commissioning,O&M Service
- Spare Parts Supply etc.









 China ShanXi reciprocating compressor project site



Australian CBM boosting expansion

HIGH-END OFFSHORE WELLHEAD AND WELL CONTROL EQUIPMENT

Committed to research, development and manufacturing of high-end offshore wellhead and well control equipment, established research teams in China, USA, Singapore, hold multiterm product design patents which contribute to improve drilling efficiency, combine international production management system and quality control system, advance with the times design concept, we will continuously provide global customers high quality, safe, customized products and service.

Product Series

- Modular wellhead systems(MW-I)
- Multipartite modular wellhead systems (MMW-I)
- Mudline/subsea wellhead and subsea tree
- BOP

WEFIC® MODULAR WELLHEAD SYSTEM (MW-I)

30%

30% reduction in height can be achieved through Modular wellhead design compared to conventional wellheads

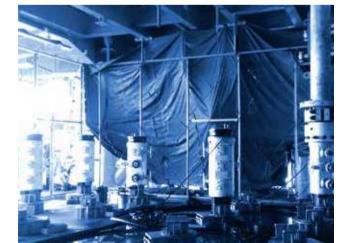
50%

50% reduction in rig operation time can be achieved through Modular wellhead design compared to conventional wellheads

WEFIC®MUDLINE SUSPENSION WELLHEAD (MSW-I)

150_m Water depth

- Up to 15,000 psi Working Pressure
- API 6A, 17D and NACE Compliance



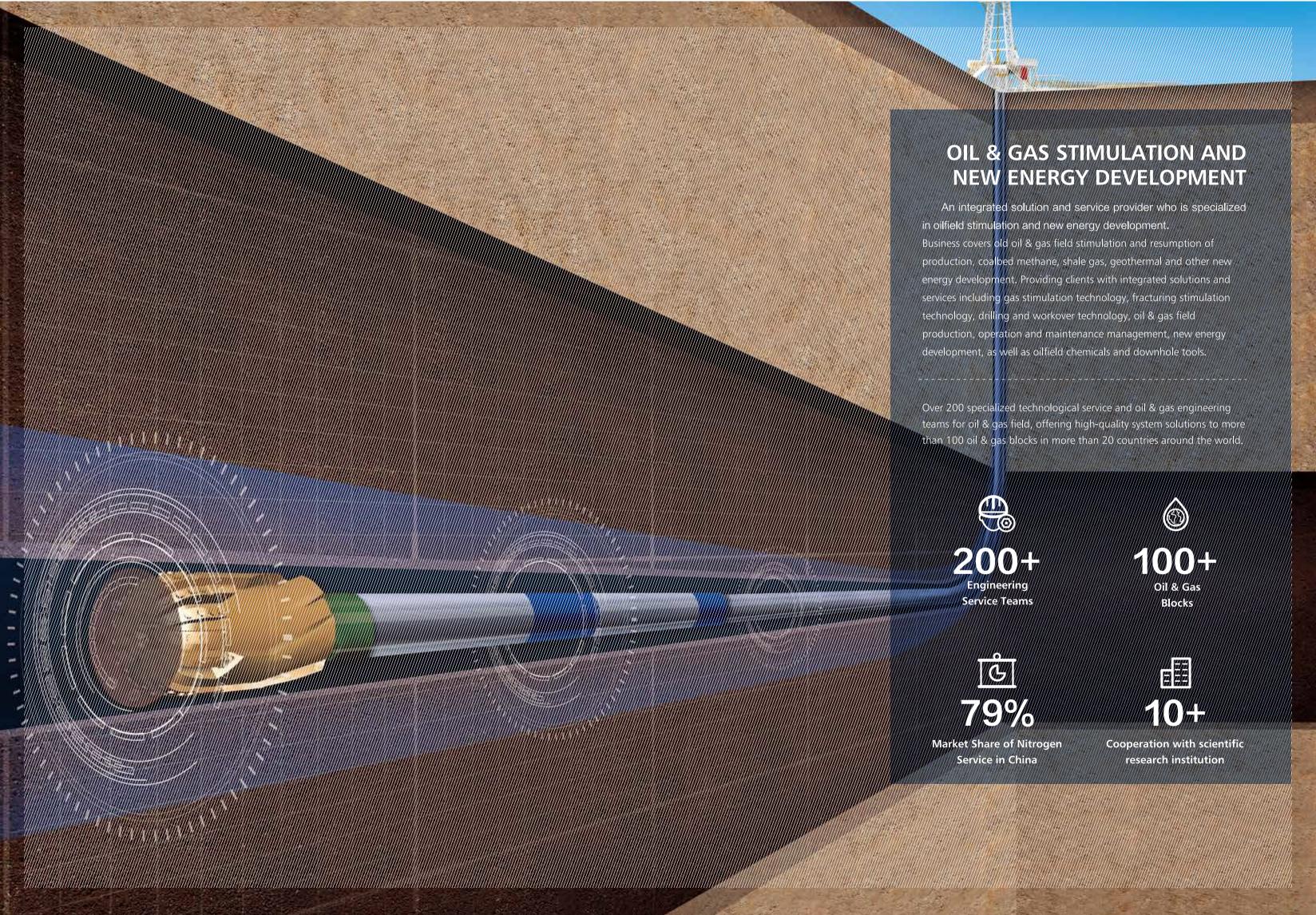
O Burma MW-1 High-end wellhead project site



• Five years onshore and offshore wellhead and Christmas trees project site for ptt







Research and Design

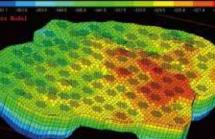
Beijing and Calgary Unconventional Oil & Gas Experimental Centers

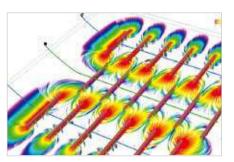
- CNAS Laboratory Accreditation
- International Leading Unconventional Oil & Gas Development Technology Center

Provincial Level Engineering Laboratory in Shandong

- EOR Laboratory Group
- Build Provincial Foam Fluid Stimulation Laboratory with University







Perfect international service project experience



Nitrogen technology for fracture-vug type carbonate reservoir By applying the technology, recovery rate is enhanced by 20% on TH oil field



Foam gel plugging technology for high-permeability reservoir
By applying the technology, the success rate of water shut down > 60% on HY oil field



Wag flooding technology for low-permeability reservoir By applying the technology, costs is reduced by 10% on HC oil field



Nitrogen-assisted thermal chemical flooding technology for heavy oil reservoir After applying the technology, the development cost is reduced by 6% on SL oil field



Nitrogen Injection Service (wells) 350+

Drilling Service (wells) 5,000+

Workover Service (wells) 1,800+

Fracturing service (wells)

2,000+
Coiled tubing service (wells)

Integrated Project Management And Service

■ General contracting service of oilfield block

Providing oil & gas fields exploration & development comprehensive geological research, oil & gas fields development project design, mature oilfield dynamic analysis, economic benefit optimization, technique process optimization, chemical product research & development, and on-site technical service.

Integrated stimulation service

Description of fine oil reservoir, analysis of reservoir oil, EOR programming,EOR construction and service, economic benefit assessment.

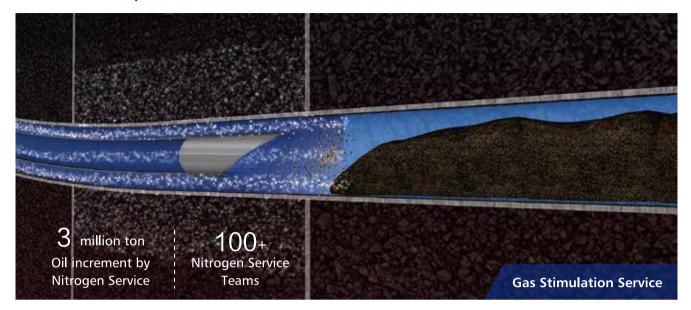
■ Integrated drilling services

Providing integrated project management and engineering services including drilling solutions, single well design, drilling, logging, mud and cementing.

■ Project Management Service

With professional project management team, providing integrated service of technology, production, purchasing logistics and project operation management.

Business scope



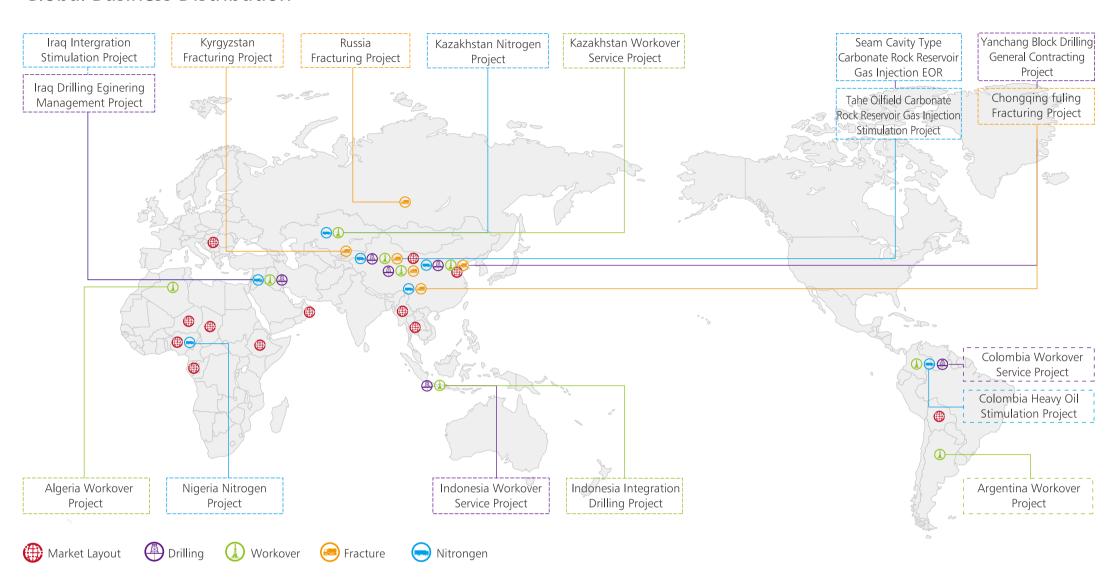








Global Business Distribution





O N₂ Stimulation Applied in Tahe Carbonate Reservoir

Max. Well Depth: 7,000m, Annual Operation Capacity: 1,500 Wells, Annual Oil Increment: 700,000+Tons



• At the fracturing service project in Yanchang

KERUI Petroleum & Gas is awarded as the first class construction team because of the cumulative aciding and fracturing constructions for 127 wells.



O Indonesia Integration Drilling Project Site

KERUI Petroleum & Gas has successfully finished 7 deep
wells of 5000-6000 meters, and it breaks the depth
record of onshore drilling at that time in Indonesia.



Russia Acidizing and Fracturing Project Site KERUI Petroleum & Gas has cumulatively fractured more than 1000 layers as of June 2019.



O Integrated Stimulation Project, Iraq

Constant Daily Output Increased to 6,261 bbl after operation, establishing single well daily output in Missan Oilfield.





O Brazil-UPGN Project

The largest natural gas processing project in Brazil to date, the project amount more than USD 600 million.



O Pakistan-Natural Gas Processing Plant EPCC

The largest natural gas processing plant project in Pakistan, put into operation in 2016, and could meet the gas demand of one third of Pakistan's households.



O China-Xinjiang Shunbei Flare Gas Liquefaction Plant

Designed and constructed in full modularity, overall 11 months project execution period has set a record of the fastest production of similar devices in China.



O Gabon-TRCP Gas Rejection Station



O Uzbekistan CNG Stations (EPCC)



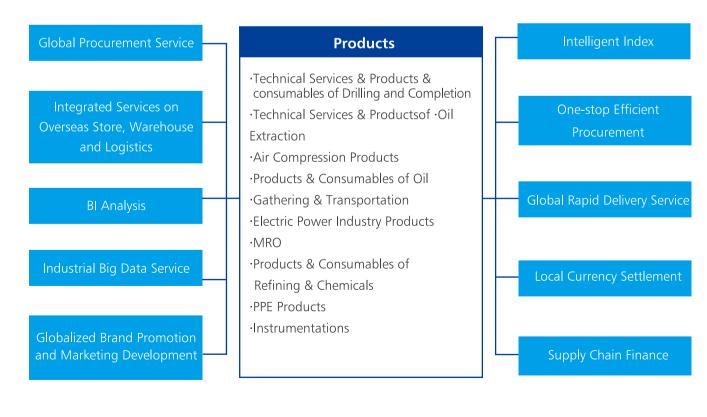
Kenya modular geothermal power station project(EPC)

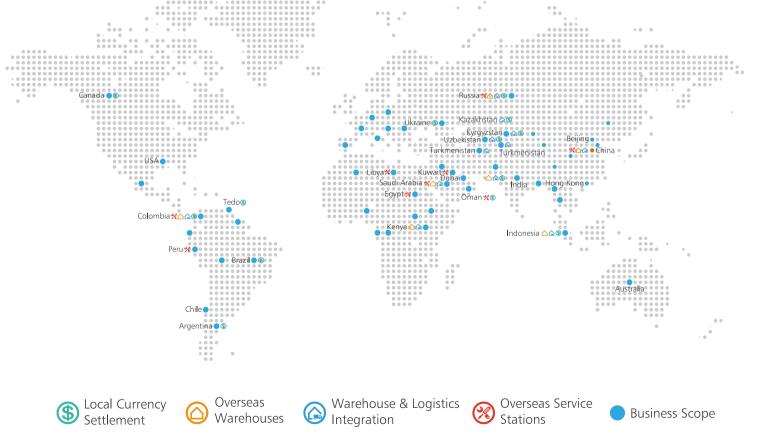


O Pakistan PS-6 Project (MFM MOGAS PROJECT PHASE-II, EPC Project



Advantage of platform









Oil & Gas energy equipment leasing and service, idle equipment trading

We have 5,000 customers worldwide, including energy, engineering, manufacturing and other industries. 12,000 sourcing partners, covering more than 80 countries and regions, to help customers sourcing accurately, within 72 hours to match information accurately. To save procurement costs and procurement cycle, and achieve cost reduction and high efficiency.



Enriched service experience in oil & gas energy equipment, engineering machinery, machine tool equipment, etc

15 overseas third-party service platforms have been opened to provide customers with comprehensive localization service guarantee; 48 third-party equipment certification authorities, 73 technology upgrade and equipment renovation organizations, 60 operation and maintenance service organizations to provide customers with technical and quality assurance; 50 logistics customs clearance company, 120 banks, 100 financial leasing companies, 29 insurance companies, providing logistics and financial insurance for customers.



Building a global database of idle oil & gas equipment through global marketing service network and Internet platform operation

Through the internet platform OILUP, we successfully realize real-time monitoring of global idle equipment leasing and sales data, systematic management of product information, accurate push of business information, providing customers with one-stop integrated solutions and integrated professional services. We created a new and unique form and model of foreign trade transformation and upgrading, by "Technology" + "Leasing" + "Service".



Overall project & quality management capacity

Provide customers with operation and maintenance service guarantee which covers the full life-cycle quality and project management, including design, procurement, production, inspection and delivery.

TALENTS TRAINING EXPERT AND ENGINEERING TECHNOLOGY THINK TANK IN GLOBAL OIL & GAS FIELD

Victor International Institute of Petroleum Training(VIPT) is jointly sponsored and established by KERUI, Dongying Technical College and Sinopec Victory Training College. More than ten international well-known universities and enterprises in oil and gas field are jointly participate and cooperation, including University of Calgary, China University of Petroleum Victory College, Oman National Oil Company etc.

Victor International Institute of Petroleum Training(VIPT) focus on the professional talent training for the oil & gas industry, and engineering technical service solution providing. Aim to provide suitable talents service for international production capacity cooperation and international project contracting, to build a talents and technology platform which service for "one belt one road" countries and global oil and gas energy industry.







VIPT is the only training cooperation organization of University of Calgary in China, can provide high-end management talents and technology talents development for global oil and gas energy industry.

30,000m²

Floor Space

1,000 +

Instructor Resource

2,000+

Capacity for Trainees

Talent Development



Service Target

- The national energy management agency staff
- Oil & Gas related enterprise management personnel, engineering and technical personnel
- On-site construction management and operation personnel
- Front-line operator
- Orientation training for high-level professional

Project Course

Management Training

Language Training

Engineering and Technical Training

Senior Technical Personnel Training Obtain Certificate
Training

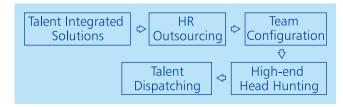
Career Services



VIPT provides students oil & gas companies' employment channels in more than 80 countries and regions, also a full range of employment guidance services. Providing global oil & gas customers with diversified and customized human resources service.

The talent service of VIPT includes geological exploration, drilling, logging, cementing completion, oil & gas field development, oil & gas gathering and transportation, oil refining, LNG, EPC etc.

Service Mode



Petroleum Engineering Technology Services

Petroleum Engineering Mature Technology Solutions

- Consultation and transfer of technical plans for oil & gas field exploration and development engineering
- Technical information exchange
- Oil & Gas field EPC project solutions





QUALIFICATION CERTIFICATION SYSTEM

The key for KERUI to secure long-term cooperation is to continuously improve the quality of its products and services. By virtue of its comprehensive process, quality management system and strict compliance with international mainstream standards, KERUI has established a quality management system that has passed API Q1 quality management system certification, DNV QHSE system certification, API 4F and 7K logo certification, US ASME certification, EU CE marking, Russian CU-TR certification, 3C certification and CNAS laboratory accreditation qualifications.





Management System Certifications

American Petroleum Institute (API) Q1

Quality Management System ISO 9001

Environmental Management System ISO 14001

Occupational Health and Safety Management System OHSAS18001

ASME Quality Management System

TSG Quality Guarantee System CNAS Laboratory Accreditation World Customs Organization AEO Certification



Production and Manufacturing System Certifications

- American Petroleum Institute (API)4F/7K/8C/11E/6A/16A/16C/6D/5DP
- ASME U/ U2/S Qualification
- EU CE Certification
- Custom Union CU-TR Certification
- CCC Certification
- Pressure Vessel Manufacturing License (A1/A2)
- Pressure Tubing PartsManufacturing Qualification(A/B)
- Production License for Blow-Out Preventer and Blow-Out Preventer Control Device
- Production License for Pumping Unit
- Metering Standard Assessment Certificate



Engineering Design, Consulting and Management Qualifications

- Foreign Contracting Engineering Qualification Certificate of People's Republic of China
- International Association of Drilling Contractors (IADC) Qualification Certification
- EPC Qualification for Chemical and Petroleum Projects
- Access License for Engineering Construction Contractor of CNPC
- Pressure Vessel Design Permit (A1/
- Pressure Piping Design Permit (GB1 /GC2/GC3)





