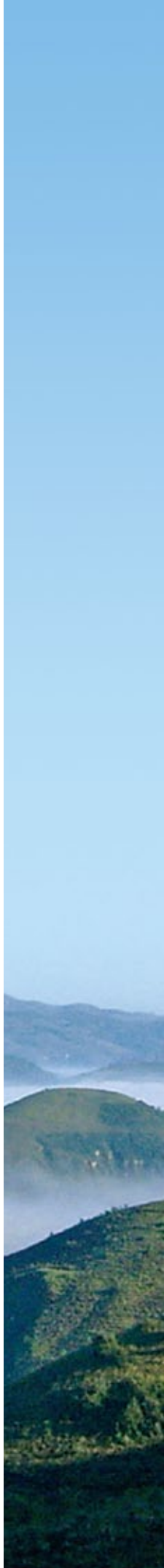




CNNPC



CNPC is an integrated international energy company, with businesses covering oil and gas operations, oilfield services, engineering and construction, equipment manufacturing, financial services and new energy development.



Every day, we



produce **3.33** million barrels of crude oil,



deliver **12** billion cubic feet of natural gas,



and process **3** million barrels of crude oil.



CNPC is the world's 3rd largest oil company based in China and plays a leading role in China's petroleum industry.

We integrate the business portfolios of both an oil company and an oilfield service provider, with operations covering the entire oil and gas industry value chain.

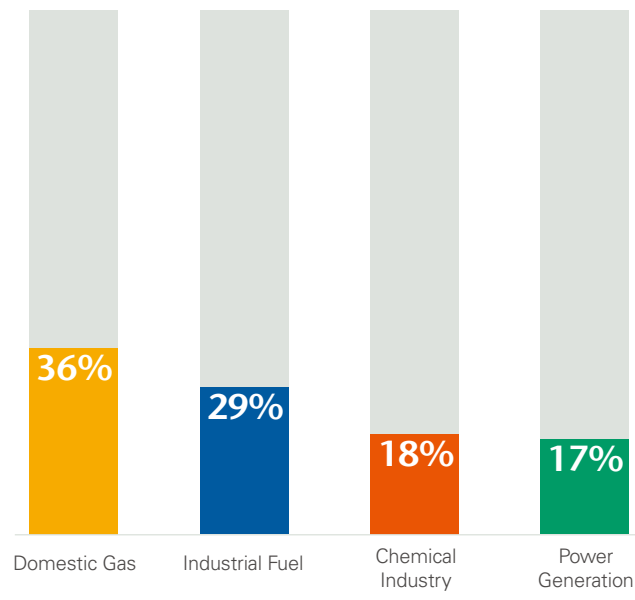
More than fifty years of development and practice have made CNPC capable of tackling exploration and development difficulties under various geological and geographic complexities through technological innovation.

In China, we operate 16 oil and gas fields and 26 refineries. Our crude production and natural gas production account for 54% and 75% of the nation's total respectively.





Use of Natural Gas in China



We have built and now operate a 50,928-km gas pipeline network, including trunk lines such as the West-East, Shaan-Jing, Zhongxian-Wuhan, Sebei-Xining-Lanzhou and Zhongwei-Guiyang supplying natural gas to 29 provinces, municipalities and autonomous regions as well as Hong Kong SAR.

These natural gas pipelines are under the control of our Oil & Gas Pipeline Control Center in Beijing for integrated dispatch and monitoring. The center is one of such in the world that manages the operation of most long-distance oil and gas pipelines with the most complete transportation media.

The gas is mainly used in the natural gas chemical industry, industrial fuel, domestic gas and power generation.

LNG
T-1201



LNG
T-1202





Our 20,714 service stations nationwide provide quality oil products and services to end users.

We have built three LNG terminals in Jiangsu, Dalian and Tangshan. Additionally, we are making progress in exploring more unconventional gas resources such as CBM, tight gas and shale gas.



International Operations

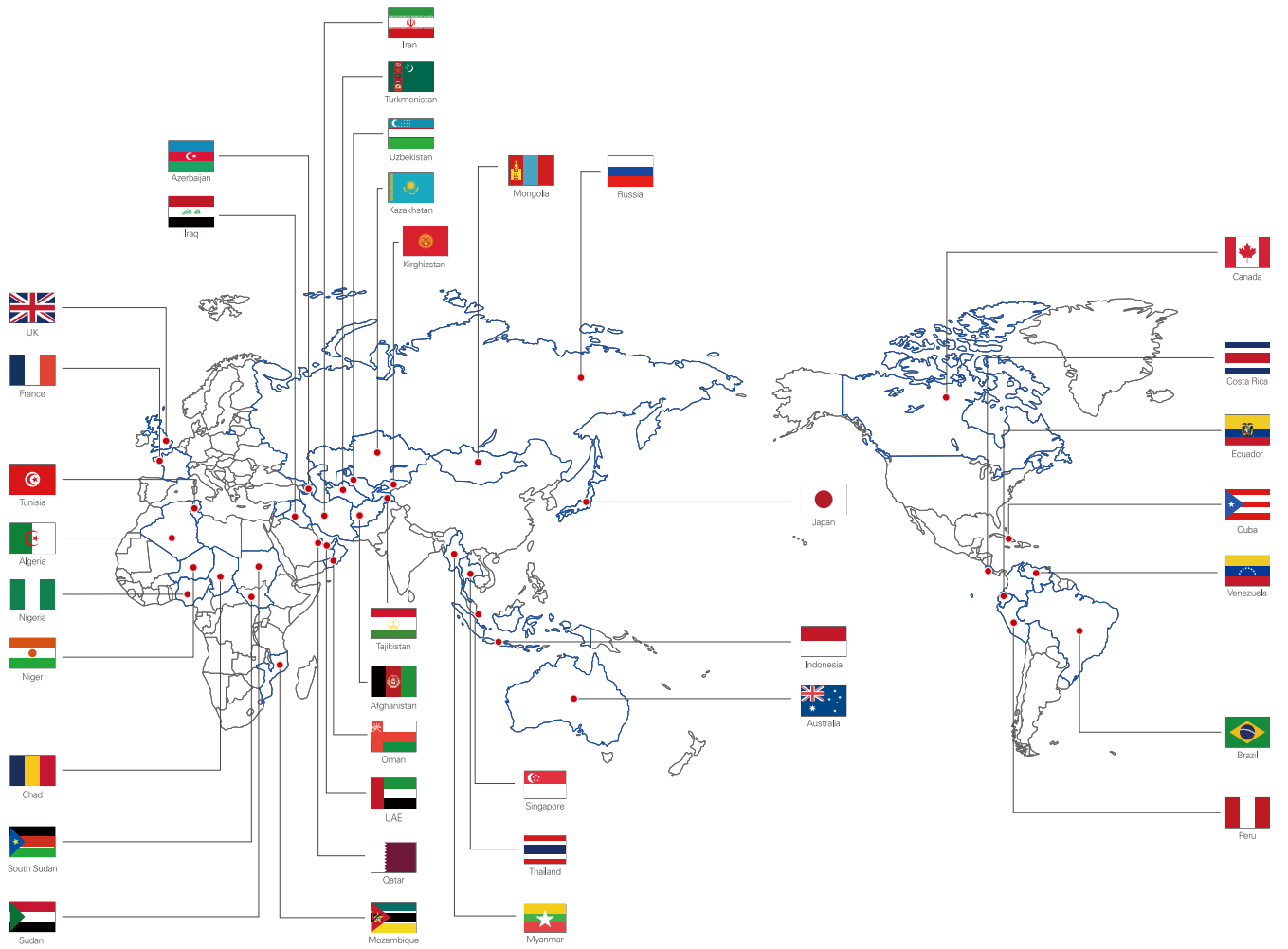
We have oil and gas assets and interests in 37 countries. Our more than 1,000 crews provide technical services in geophysical prospecting, well drilling, well logging and mud logging in 50 countries.

Our onshore geophysical prospecting services take the largest share in the international market.

We are world's renowned engineering construction contractor in the oil industry. Our petroleum materials and equipment are sold in 81 countries.



Crude pipeline at the Halfaya Oilfield



Central Asia-Russia

We operate in Kazakhstan, Turkmenistan, Uzbekistan, Azerbaijan, Russia and Kyrgyzstan, with businesses covering exploration and development, oil and gas storage and transportation, refining and marketing, oil and gas trade, oilfield services, and construction contracting. We have built and put into operation the Central Asia-China Gas Pipeline, Russia-China Crude Pipeline, and Kazakhstan-China Crude Pipeline.



Natural Gas Processing Plant at Amu Darya in Turkmenistan

Africa

In Tunisia, Algeria, Niger, Chad, Nigeria, Mozambique, Sudan, and South Sudan, we are engaged in oil and gas exploration and development, storage and transportation, refining and petrochemicals, refined products marketing, oil and gas trade, oilfield services, and construction contracting. We have built and put into operation Khartoum Refinery in Sudan, Zinder Refinery in Niger, N'Djamena Refinery in Chad, and SORALCHIN Refinery in Algeria, with the total processing capacity of 8 million tons per year.



Gas pipeline in Tanzania



Khartoum Refinery in Sudan



The Middle East

Our oil and gas operations in Iraq, Iran, Oman, Qatar and UAE include exploration, oilfield development services, refined products trade, oilfield services, and construction contracting.





Offshore Operation in Peru

Americas

We operate in Venezuela, Ecuador, Peru, Brazil, Columbia and Canada, with businesses covering oil and gas exploration and development, oil and gas processing, refining, refined products trade, oilfield services, and construction contracting.





Singapore Refinery

Asia-Pacific

In Indonesia, Myanmar, Thailand, Mongolia, Singapore, Japan and Australia, we are engaged in oil and gas exploration and development, refining, refined products trade, oilfield services, and construction contracting. We have built and put into operation the Myanmar-China Oil and Gas Pipelines.



The Maday Island Terminal of the Myanmar-China Oil & Gas Pipelines



Three International Oil and Gas Operation Centers

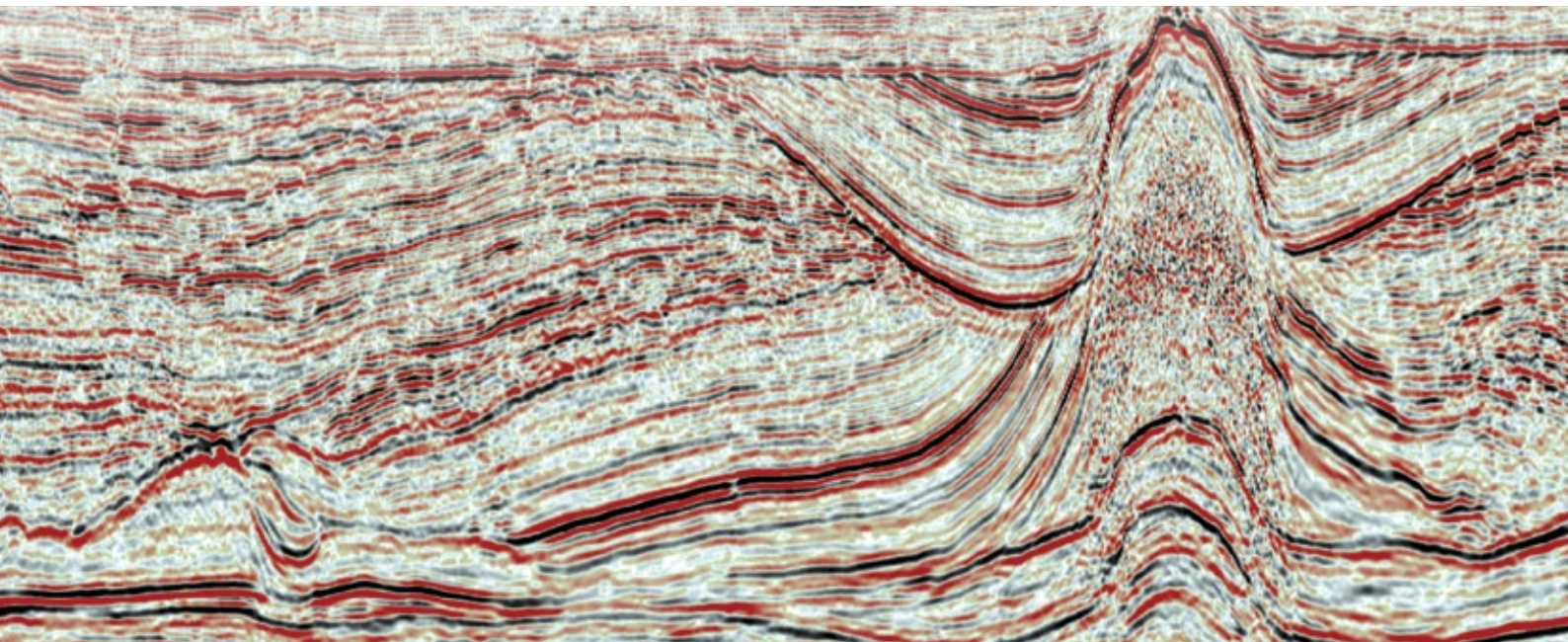
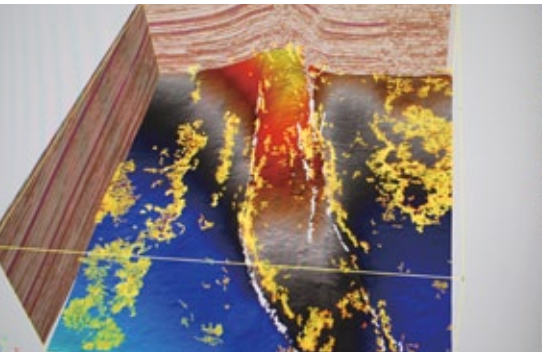
Five Cross-border Oil and Gas Supply Channels

- Central Asia-China Gas Pipeline
- Kazakhstan-China Crude Pipeline
- Russia-China Crude Pipeline
- Myanmar-China Oil and Gas Pipelines
- Offshore LNG



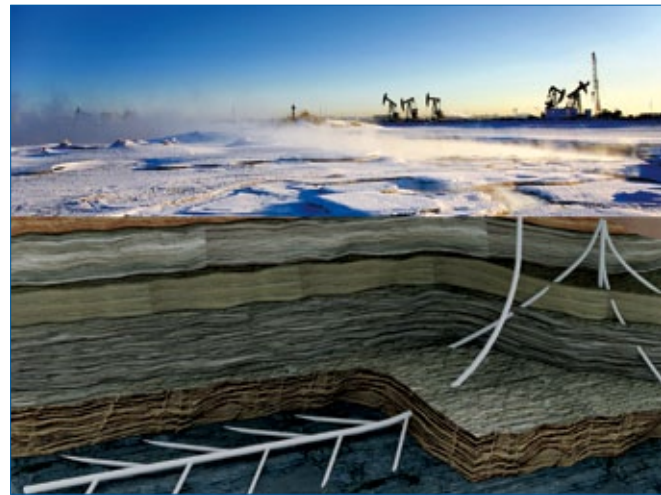
Energizing by Technology

As an international energy company embracing technology and innovation, CNPC has long been committed to researching and developing sophisticated and practical technologies and solutions in oil and gas exploration and development to boost both reserves and production.





Facing with the end of 'easy' oil and gas, we have to turn to much tougher targets to meet ever increasing energy demand. We focus our R&D efforts on finding and tapping subtle and complex reservoirs, enhancing recovery of mature oilfields, unlocking unconventional hydrocarbons, improving operational safety, and mitigating impact to the environment.



GW-RSS Rotary Steerable Drilling System

Reduce friction of sliding drilling and downhole complexity;

Improve the extension ability of extended reach wells and horizontal wells;

Smoother and higher precision well trajectory;

Enhance drilling efficiency.

Azimuthal Acoustic Reflection Imaging Logging

Acquire information of fractures 3- 40 meters away from borehole and identify azimuth of fractures.

Favorable results achieved in identifying and evaluating fractured reservoirs.

Element Measure Tool

Identify 14 elements such as Si, Ca, S, Fe, Ti, Gd, Mg, Na, and Mn etc., and 10 type of mineral content such as quartz, potassium feldspar, sodalase, calcite, dolomit, pyrite, siderite, clay mineral, and analcite.

Offer precise formation lithology profiles and different kinds of mineral content for reservoir evaluation and study on sedimentary environment.



Marine Drilling Riser

Class-H and Class-E flange-type marine drilling riser unit, Class-E rotation fast-connecting drilling riser unit, Class-E spider, diverter, telescopic joint and no-go sub, etc..

Subsea Xmas Tree

To connect and support tubing string, seal off casing pipes and casing-tubing annulus, isolate borehole fluids from external sea water, control wellhead production pressure, adjust borehole flow rates, and used for acid fracturing, water injection and testing.

Deepwater Survey Vessel

200m drilling depth (5" DP) at 3000m water depth, and 600m drilling depth (5" DP) at 1500m water depth.





Operate in a responsible manner
Pursue sustainable growth





ENERGIZE · HARMONIZE · REALIZE

China National Petroleum Corporation

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