



305, Jongga-ro, Jung-gu, Ulsan, Korea 44538
TEL 82-52-216-2114 FAX 82-52-216-5900



Strategically Based Subsidiaries

Harvest Operations Corporation

Suite 1500, 700-2nd St., SW, Calgary, Alberta, Canada, T2P OL4
TEL.1-403-261-8261 FAX.1-403-265-3490

ANKOR E&P Holdings

5555 San Felipe St., Suite 1175, Houston, TX 77056, USA
TEL.1-713-552-9318 FAX.1-713-552-1898

Savia Peru

Av. Rivera Navarrete No.501 Piso 11 San Isidro, Lima 27, Peru
TEL.51-9-4310-5153 FAX.51-1-222-5947

Dana Petroleum Ltd. (UK)

King’s Close, 62 Huntly St., Aberdeen, AB10 1UR, United Kingdom
TEL.44-1224-616410 FAX.44-1224-616001

KNOC Caspian/Altius

5th Fl., Block 3B, "Nurly-Tau" Business Centre, 19/1, Al-Farabi Ave., Almaty, Republic of Kazakhstan, 050013
TEL.7-727-311-1521 FAX.7-727-311-1503

Overseas Offices

Canada Office

Suite 1500, 700-2nd St., SW, Calgary, Alberta, Canada, T2P OL4
TEL.1-403-261-8261 FAX.1-403-265-3490

USA Office

5555 San Felipe St., Suite 1175, Houston, TX 77056, USA
TEL.1-713-552-9318 FAX.1-713-552-1898

UK Office

King’s Close, 62 Huntly St., Aberdeen, AB10 1UR, United Kingdom
TEL.44-1224-616410 FAX.44-1224-616001

Kazakhstan Office

5th Fl., Block 3B, "Nurly-Tau" Business Centre, 19/1, Al-Farabi Ave., Almaty, Republic of Kazakhstan, 050013
TEL.7-727-311-1521 FAX.7-727-311-1503

Iraq Office

#517, 5th Floor, 4A West Wing, Dubai Airport Free Zone, P.O.Box 54970, Dubai, UAE
TEL.971-4-213-4012 FAX.971-4-214-9501

Abu Dhabi Office

P.O. Box 63414, Etihad Tower 3-12th Fl., Office #012.02~03, Abu Dhabi, UAE
TEL.971-2-699-3999 FAX.971-2-681-4294

Vietnam Office

10th Fl., Diamond Plaza, 34 Le Duan St., Dist.1, Ho Chi Minh, Socialist Rep. of Vietnam
TEL.84-8-3825-7750 FAX.84-8-3825-7806

Doosung(Offshore Rig) Office

TEL.870-7646-71765 FAX.870-7646-71767

Domestic Offices

Ulsan Office

147, Onsan-ro, Onsan-eup, Ulju-gun, Ulsan-si, Korea
TEL.82-52-270-4400 FAX.82-52-270-4571

Geoje Office

97 Seoimal-gil, Irun-myeon, Geoje-si, Gyeongsangnam-do, Korea
TEL.82-55-680-1789 FAX.82-55-680-1862

Yeosu Office

450, Nakpodanji-gil, Nakpo-dong, Yeosu-si, Jeollanam-do, Korea
TEL.82-61-688-8700 FAX.82-61-688-8719

Seonsan Office

119, Pyeongsin 2-ro, Daesan-eup, Seosan-si, Choongcheongnam-do, Korea
TEL.82-41-660-4114 FAX.82-41-660-4165

Pyeongtaek Office

175-108, Namyangman-ro, Poseung-eup, Pyeongtaek-si, Gyeonggi-do, Korea
TEL.82-31-680-1414 FAX.82-31-680-1486

Guri Office

67, Ahasan-ro, (Acheon-dong) Guri-si, Gyeonggi-do, Korea
TEL.82-2-2204-7700 FAX.82-2-2204-7707

Yongin Office

159, Haesil-ro, (Ho-dong) Cheoin-gu, Yongin-si, Gyeonggi-do, Korea
TEL.82-31-329-4900 FAX.82-31-339-2274

Gokseong Office

1538, Goksun-ro, Gyeom-myeon, Gokseong-gun, Jeollanamdo, Korea
TEL.82-61-360-2114 FAX.82-61-360-2080

Donghae Office

77, Gongdan 12-ro, Donghae-si, Gangwon-do, Korea
TEL.82-33-520-7800 FAX.82-33-522-3219

Ulsan Gas Production Office

147, Onsan-ro, Onsan-eup, Ulju-gun, Ulsan-si, Korea
TEL.82-52-240-4700 FAX.82-52-239-8049



2015 Korea National Oil Corporation Brochure
New Start, New Discovery



1979~
1999

- 03. 1979** Beginning of KNOC
Establishment of stable oil supplies for the secure future of the nation
- 07. 1998**
Discovery of natural gas at Donghae-1 Gas Field in Korea
- 09. 2000** Discovery of large-scale crude oil at Block 15-1, Vietnam
- 11. 2003** Beginning of commercial production at Block 15-1
- 07. 2004** Beginning of commercial production at Donghae-1 Gas Field
- 11. 2006** Beginning of commercial production at Block 11-2, Vietnam
- 05. 2008** Establishment of US local subsidiary, Ankor Energy
- 02. 2009** Acquisition of Peru's Petro-Tech
- 12. 2009** Acquisition of Canada's Harvest Energy
Acquisition of Kazakhstan's Sumbe
- 09. 2010** Acquisition of UK's Dana Petroleum
- 03. 2011** Acquisition of Kazakhstan's Altius
- 06. 2012** US's EP Energy Asset Acquisition
- 06. 2013** Announcement of Vision for Northeast Asian Oil Hub
- 04. 2014** Discovery of 260 million barrels of crude oil reserve at Iraq's Hawler Block
- 06. 2014** 30-Year Anniversary of Construction of Offshore Rig, 'Doosung'
- 11. 2014** Opening of New Main Building in Ulsan
- 03. 2015** UAE Area 1 confirmation of possibility for development of crude oil reserves

2000~
2010

2011~
2015

New Start, New Discovery

New Start for the Future

The Korea National Oil Corporation in Ulsan is at the heart of Korea's oil industry, raising Korea to 95th ranked global oil producer. KNOC is taking new strides toward establishing itself as an oil hub of Northeast Asia. While preparing the future of the nation's energy, global state-run Korea National Oil Corporation is expecting significant further development and growth.



CONTENTS

- 02 New Start, New Discovery / Introduction
- 04 Connecting the Future / Strategy
- 06 Exploring the Future / Global E&P
- 10 Creating the Future / Operations

Connecting the future

The Korea National Oil Corporation continues to develop its limitless capacity to ensure growth as a global E&P company, while also working for the wellbeing of the nation as a public enterprise, by pursuing a firm sense of corporate and social responsibility.

VISION

Creating Value Beyond Energy
Korea National Oil Corporation

Creating

Expand our petroleum resources

Value

Seek to achieve our ultimate goal, the happiness of the nation

Beyond

Define the core direction of our business

Energy

Become a global company with sustainable growth

4 CORE VALUES

Challenge

Professionalism

Respect


Contribution


Business Portfolio


Exploration, Development, Production(E&P)	30 projects in 21 countries, including domestic continental shelf development
Oil Stockpile	9 reserves nationwide with a total capacity of 146 million barrels of oil reserves, and securement of 92 million barrels
Northeast Asian Oil Hub	Management of Yeosu Tank Terminal (8.2 million barrel capacity) and design of Ulsan Tank Terminal (28.4 million barrel capacity)
Offshore Rig Management	Management of nation's sole semi-submersible offshore rig, 'Doosung', and a further 119 drilling wells globally
Oil Information Service	Expert information and real-time oil-price information service 'Opinet' and online 'Petronet'
R&D	Selection of E&P's main technologies and training of technical professionals via 3-year technological self-sufficiency plan
Discount Gas Station Business	Management of 1,142 gas stations in Korea - Supply of oil products, improvement of facilities


※as of August 2015

Sustainability Management

- 

Business Ethics
KNOC aims to fulfil leading international standards in ethical management through the establishment of global policy, enforcement of business ethics, and promotion of a culture of integrity. In 2014, KNOC ranked first among korean class-I public organizations in Public Corporation Integrity Evaluation for two consecutive years, was awarded the highest level (AAA) in KoBEX (Korean Business Ethics Index) for 8 consecutive years.
- 

Social Contribution
KNOC is currently executing four social contribution strategies - Helping the Underprivileged 'Sunshine', Contributing to Local Society 'Happy Together', Fosterage of Future Leaders 'Dream Future', and Contributing to Global Society 'Global KNOC Family' - to establish itself as a public organization at the forefront of community culture. KNOC was awarded the 2015 Corporate Social Contribution Prize for its contribution to the social welfare and underprivileged aid sectors.
- 

Environmental Management
KNOC is working to develop the safety and security of all its business locations and establish an eco-friendly working environment through the continuous improvement of the systematic and integrated 'HSEQ' (Health, Safety, Environment, Quality) management system. Various efforts are being made to strengthen the capability of HSE, through regular education programs and advanced prevention tactics designed to foster a culture of environmental management.
- 

Coexistence Strategy
KNOC practices as a 'Global Oil Company Sharing Growth with Small and Medium Businesses', through seven business strategy directions, including reinforcing the competitiveness of small and medium sized businesses, encouraging fair business connections, and establishing foundations of momentum and a culture of shared growth. KNOC faithfully fulfills its social responsibilities as a public institution.

Exploring the future

Korea National Oil Corporation: Casting off the limits of today, discovering new hopes for energy, and advancing new, innovative ambition



※as of August 2015

GLOBAL E&P

The Korea National Oil Corporation is actively participating in overseas oil and gas development for the stable supply of domestic resources. As of August 2015, KNOC is involved in 30 projects (including domestic) in 21 countries around the world.



Canada :1

- Harvest**
- Acquisition of Harvest Energy in December 2009
 - Participation of 'BlackGold' Oil Sands business
 - Production of 46,000 BOE/D

USA :3

- Ankor, etc**
- Acquisition of Ankor E&P Holdings in March 2008
 - Acquisition of Anakardo's shale oil stake April 2011
 - Production of 85,000 BOE/D

Peru :2

- Savia Peru, etc**
- Acquisition of Petro-Tech in February 2009
 - Production of 9,000 BOE/D

UK :1

- Dana(7 countries)**
- Acquisition of Dana in September 2010
 - Production of 49,000 BOE/D

1 project : Onado Block
:1

Venezuela

Peru

Norway

Denmark

Netherlands

Libya

Egypt

Guinea

1 project : Elephant Block
:1

2 projects : OPL 321, 323
:2

Nigeria

Cameroon

Yemen

2 projects : Yemen LNG, etc
:1 :1

UAE :1

- Area 1, 2, 3**
- Field entry agreement March 2012
 - Confirmation of commercial availability of crude oil at Area 1 March 2015
 - Scheduled to begin production at end of 2017

Iraq :1 :1

- Hawler Block, etc**
- Initial production at Hawler begun in June 2014

Kazakhstan :3 :3 :1

- KNOC Caspian, etc**
- Acquisition of Sumbe in December 2009
 - Acquisition of Altius In March 2011
 - Production of 16,000 BOE/D

1 project : West Fergana & Chinabad Block
:1

Kazakhstan

Uzbekistan

UAE

Korea

Korea :1 :1 :5

- Donghae-1 Gas Field, etc**
- Korea's first commercial gas field
 - Initial production begun in July 2004
 - Production of 5,000 BOE/D

Vietnam

1 project : Offshore Block 2B
:1

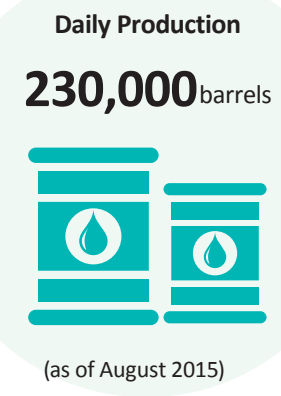
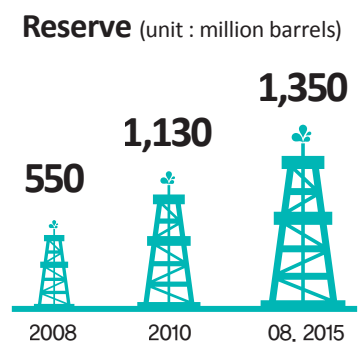
Malaysia

Vietnam :2

- 11-2 Block, etc**
- Initial production at 15-1 site begun in November 2003
 - Initial production at 11-2 site begun in November 2006
 - Production of 23,000 BOE/D

Creating the Future

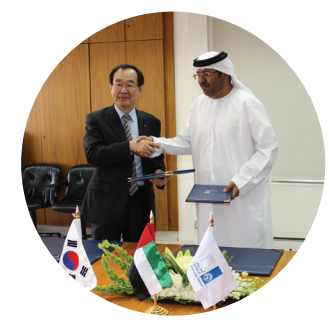
ENERGY



Exploration & Production

Through 30 E&P projects in 21 countries around the world, KNOC produces an average of 230,000 barrels of oil daily. Since 2008, through large scale mergers and acquisitions, KNOC has established strategically based subsidiaries including Ankor in the US, Savia Peru in Peru, Harvest in Canada, Dana in the UK, KNOC Caspian and Altius in Kazakhstan. KNOC has created a synergy effect through this basis of connecting with regions' existing production activity and sharing skills and development experience.

The Donghae-1 gas field – discovered in 2004 thanks to ongoing exploration of Korea's continental shelf – saw an output of 165 billion cubic feet of natural gas and 3 million barrels of condensate between the beginning of commercial production and August 2015. In addition, development of the nearby Donghae-2 gas field is in progress, with aims to begin commercial production in July 2016. Furthermore, KNOC is making efforts to expand domestic oil reserves by preparing for the exploration of Donghae-8 Block on the continental shelf.



E&P Projects in UAE

Since the signing of an oil joint stockpiling and development MOU with ADNOC –national oil company of the United Arab Emirates, the world's seventh richest country in terms of natural resources – KNOC has vigorously conducted oil development activity in the UAE. Of the three blocks (Areas 1, 2, 3) currently part of the project, initial production in Area 1 (Haliba Structure) is expected to begin in 2017 after confirmation of commercially viable crude oil there. Utmost efforts are being made to secure additional resources in the remaining blocks.



Shale Gas Projects

Following the emergence of Shale Gas as the energy source of the future, KNOC have, since 2011, been developing technology along with the US's Anarkado and its shale business. In addition, we promote shale gas projects participation strategy by eliciting the selection of and entry into new areas promising productivity and business value. While short term partnership with US business allows the expanding of core technologies and management competence, long-term, KNOC aims to advance into further promising locations internationally.



Offshore Rig Management

Since the launch of Korea's sole offshore rig, Doosung, in 1984, KNOC has successfully drilled in a further 119 wells around the world. Through HSEQ - the introduction of environmental safety and health maintenance procedures and advanced equipment systems - to Doosung's advanced drilling vessels, Doosung has maintained 8 consecutive years of injury-free operation, as of August 2015. In addition, KNOC's active marketing strategies have resulted in stable profits and the securement of stable medium and long-term ('15~'17) supplies.

Oil Stockpile

With the aim of supplying stable oil resources for oil crisis, KNOC has worked hard to establish a total of nine stockpiling sites, including Ulsan, Geoje, and Yeosu, which have secured 92 million barrels of oil (as of August 2015) at facilities for a total of up to 146 million barrels of stockpiled oil. In addition in 2014, KNOC further reinforced safety and security with the replacement of all partially deteriorated above-ground reserve tanks, while continuing to boast a record free from accidents and injury for 14 consecutive years thanks the improvement of the Process Safety Management (PSM) System

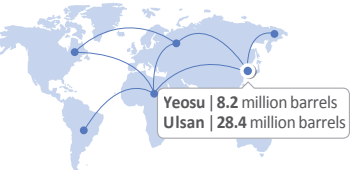


Oil Information Service Supply

In the midst of the uncertain global oil environment, KNOC makes the utmost of efforts to provide government agencies, global businesses, academic institutions, and peoples, rapid and accurate information on the industry. Through a variety of platforms, including the internet service, 'Petronet', and periodical publications, KNOC offers in-depth data on supply and demand and the worldwide oil market. The world's first real-time oil-price disclosure service 'Opinet', boasted 64 million users in 2014, and was selected as a 'Top 10 Public Mobile Applications' by the Ministry of Security and Public Administration in Korea.



Northeast Asian Oil Hub Project



* oil hub : a center for oil distribution and business operations via the establishment of a commercial tank terminal located on a major global oil route, offering storage for crude oil and other goods, and a variety of optional services

International Joint Stockpile & Oil Trading

As well as creating profit through the management of store reserves within the scope of their original purpose, we are also working hard to improve the competitiveness of our oil reserves in other ways. We operate trading business by utilizing our oil reserves and facilities, actively managing international joint stockpiling through the use of non-invested margin trading facilities by attracting and storing oil producing countries' crude oil and petroleum goods. In addition, we are increasing our global asset value and contributing to the increase of our crisis reaction capabilities through the expansion of marketing, utilizing overseas exploration and production assets.

Northeast Asian Oil Hub

KNOC is propelling mid and long-term strategic oil hub* planning to transform Korea into a North-east Asian center for energy. KNOC is in the midst of establishing a commercial tank terminal with a capacity of 36.6 million barrels (Yeosu: 8.2 million barrels, Ulsan: 28.4 million barrels) with the aim of supplying 270 million barrels of oil and generating economic effects of 3.3 billion US dollars by 2020. In addition, in order to establish a high and eco-friendly standard of infrastructure necessary to become a global oil hub, KNOC is also making great efforts to relax oil exchange related laws and institutionalized regulations.

Continuous Research and Development

From 2014, in order to expand our technological expertise, KNOC has implemented a three year ('14~'16) technology self-reliance plan. As an oil company, we are managing an increased focus on the promotion of a skilled labor force and the selection of strategically vital E&P techniques and construction projects as focal technologies. We are making increased efforts to expand technologies which will assist in the organic growth of our projects, such as technology for the shale gas development, heavy oil production, and reservoir simulation technology.

Discount Gas Stations

Discount gas stations, aiming to spread fair competition within the domestic distribution market and promote the stabilization of oil prices, expanded to include 1,142 gas stations between its first launch in December 2011 and the end of August 2015. This project is developing the domestic market from a monopoly dominated by four major companies into a fair and competitive market structure. The self-regulated inexpensive petroleum prices at discount gas stations offer much benefit to consumers, as they help regulate oil prices at other locations in the area.

