Explore
Develop
Produce
Mubadala Petroleum is a leading international, upstream oil and gas exploration and production company, recognized for our people, partnerships and operating excellence.

Established in 2012, we continue to build on our strong base rooted in the Dolphin project and our leading operating capabilities in Southeast Asia. As a wholly-owned subsidiary of Mubadala Investment Company (Mubadala) which is owned by the Government of Abu Dhabi, we are one of the strategic pillars of Mubadala’s Petroleum and Petrochemicals platform, targeting growth and building a world class business.

Core to our business is being a responsible corporate citizen and operator with a strong commitment to health, safety and the environment to safeguard our employees, contractors and communities in the vicinity of our operations. Lasting partnerships, built with host governments, national and international oil and gas companies, and the communities in which we operate play, another important role.

We build our success on strong capabilities combining significant operational experience with substantial technical expertise and commercial acumen. This is coupled with our commitment to developing the next generation of young talents and local nationals across our operations. And lastly, we continuously gain insights into new markets while deploying new technologies to increase efficiencies, all vital in our evolving industry and for growing our business further.

Most recently, we have expanded our business with a pathfinder investment in an energy fund focused on the early stage of US unconventionals.

Building on our deep roots, our strong operating capabilities coupled with an excellent HSSE culture and our investment in people and new technologies, Mubadala Petroleum will further grow its business and provide value to all its stakeholders.
Key Assets

Building a world-class exploration and production business

Mubadala Petroleum is a leading energy company in the international upstream oil and gas business, recognized for the excellence of our people, partnerships and performance.

About Mubadala Petroleum

- 2012: Became a wholly-owned Mubadala subsidiary
- 2016 production: 320,000 barrels of oil equivalent per day (Mboe/D)
- Presence in 8 countries
- 500+ employees from more than 30 countries
- 48% Emiratization
- 85% Local workforce in Southeast Asia

Explore Gas Oil
Develop
Produce

Core Operational Strengths

- Indonesia: Ruby Gas for food program fertilizer supply
- Dolphin: $2.3 billion cubic feet of gas fueling growth in UAE economy
- Success: Pago (carbonate discoveries)
- Operating Excellence: Ruby uptime, Jasmine life extension
- Project delivery: Nong Yai and Ruby on time and on budget
- HSSE: 1st quartile performance
- 11.5 million hours (99.9%) lost-time-injury (LTI) (2015 - April 2017)

About Mubadala Petroleum

- 500+ employees from more than 30 countries
- 2016 production: 320,000 barrels of oil equivalent per day (Mboe/D)
- Presence in 8 countries
- 500+ employees from more than 30 countries
- 48% Emiratization
- 85% Local workforce in Southeast Asia

Explore Gas Oil
Develop
Produce

Core Operational Strengths

- Indonesia: Ruby Gas for food program fertilizer supply
- Dolphin: $2.3 billion cubic feet of gas fueling growth in UAE economy
- Success: Pago (carbonate discoveries)
- Operating Excellence: Ruby uptime, Jasmine life extension
- Project delivery: Nong Yai and Ruby on time and on budget
- HSSE: 1st quartile performance
- 11.5 million hours (99.9%) lost-time-injury (LTI) (2015 - April 2017)

About Mubadala Petroleum

- 2012: Became a wholly-owned Mubadala subsidiary
- 2016 production: 320,000 barrels of oil equivalent per day (Mboe/D)
- Presence in 8 countries
- 500+ employees from more than 30 countries
- 48% Emiratization
- 85% Local workforce in Southeast Asia

Explore Gas Oil
Develop
Produce

Core Operational Strengths

- Indonesia: Ruby Gas for food program fertilizer supply
- Dolphin: $2.3 billion cubic feet of gas fueling growth in UAE economy
- Success: Pago (carbonate discoveries)
- Operating Excellence: Ruby uptime, Jasmine life extension
- Project delivery: Nong Yai and Ruby on time and on budget
- HSSE: 1st quartile performance
- 11.5 million hours (99.9%) lost-time-injury (LTI) (2015 - April 2017)
Dolphin Project is the first inter-country energy project in the Middle East, which brings gas from the largest gas field in the world, the North field in Qatar, to the UAE and Oman.

Mubadala holds a 51 percent interest in Dolphin Energy, which is actively managed by Mubadala Petroleum. Occidental Petroleum and Total equally share the remaining 49 percent interest.

The North field gas is piped to the Ras Laffan processing facility then exported to the UAE via a 48 inch, 364km subsea pipeline to the Taweelah receiving station. The gas is delivered through Dolphin’s wide on-shore gas network to UAE utilities and distribution customers as well as the Oman Oil Company.

Production started in 2007 and facilities became fully operational in February 2008 with a base average throughput rate of 2 billion standard cubic feet per day. The gas compression facilities upgrade in 2016, increased the pipeline capacity to 3.2 billion cubic feet per day. The production milestone of 7 trillion cubic feet of export gas was achieved in June 2017.

The Dolphin project has been recognized for its safety, reliability, cost efficiency and customer satisfaction achievements.
Oman

Block 53 – Mukhaizna field

The Block 53 concession area contains the Mukhaizna oil field, a large, heavy oil development located in south-central Oman. We participate in Block 53 through our affiliate Liwa Energy, a wholly-owned subsidiary of Mubadala, that holds a 15% participating interest in the project.

Partners in the project include the Oman Oil Company E&P, Shell Exploration & Production Oman Ltd, Total E&P Oman, Partex (Oman) Corporation and Occidental Mukhaizna LLC, the designated operator of the field.

Mukhaizna today is utilizing the most extensive steam flood system in the region and currently has an oil treating capacity of more than 190,000 bopd and steam injection capacity of greater than 600,000 barrels of steam per day (bspd) at 97% steam quality. By the end of 2016, Mukhaizna was producing over 125,000 barrels of oil per day (bopd), a significant increase since the partnership took over development of the field in 2005.

- Oil treating capacity of more than 190,000 bopd
- Steam injection capacity of greater than 600,000 barrels of steam per day (bspd) at 97% steam quality
- Producing over 125,000 bopd
Thailand

With a presence in Thailand since 2004, we operate three offshore concessions. Production from these three fields makes us the second largest crude oil operator in the Gulf of Thailand. We also have a non-operated interest in the G6/48 concession.

HSSE

Excellent **safety record** through a period of continuous development, drilling and production operations

**ISO 14001 & OHSAS 18001**
Jasmine/ Ban Yen, Manora, Nong Yao and Bangkok Office

2015
SHE award for Manora

2016
OSHEM award for Nong Yao

Assets

**Jasmine / Ban Yen field in B5/27**

100%
Mubadala Petroleum (operator)

Producing since June 2005

6 platforms, connected via subsea pipelines to FPSO for processing and storage of crude before export

Supply base Sattahip for helicopter and vessels

+65 million barrels produced
Manora field in G1/48

- Producing since November 2014
- 1 platform, connected via subsea export pipeline to FSO
- Supply base Sattahip for helicopter and vessels
- +10 million barrels produced

Nong Yao field in G11/48

- Producing since June 2015
- 2 platform, connected via subsea export pipeline to FSO
- Supply base Songkhla for helicopter and vessels
- +5 million barrels produced
Working with Communities in Thailand

Mubadala Petroleum is committed to playing a responsible role and contributing to the long-term, sustainable development of the communities where we operate. In Thailand we have a well-established community investment program partnering with local stakeholders to support the coastal communities closest to Jasmine, Manora and Nong Yao.

Our Approach

We develop partnerships and programs with local authorities, organizations, groups and NGOs to understand and address community needs.

Education

Since 2008 over 2,000 school and undergraduate scholarships provided.

Community Development

Since 2014 over 1,000 community members received primary health care education and training in coastal communities.

Environment

Since 2011 more than 2,000 healthy young coral colonies produced and transplanted into degraded reefs.

More than 20,000 mangrove trees supporting coastal reforestation.

School and Community Development

As of 2017, more than 25,000 students, teachers and community members in Songkhla and Prachuap Kirikhan have benefitted from an integrated development program. This program in partnership with EDF builds sustainable solutions for education and community development.
Indonesia

With a presence in Indonesia since 2004, Mubadala Petroleum operates two PSCs: Sebuku containing the Ruby gas field and West Sebuku. We are also exploring further growth opportunities.

**HSSE**

Excellent safety record of over 9 million man-hours through development and now in production.

ISO 14001 & OHSAS 18001 Ruby certification of two international safety and environmental standards.

2017 Patra Nirbhaya Karya, Governor of South Kalimantan and Ministry of Manpower safety awards for zero accidents.
Ruby gas field, Sebuku PSC

- **Producing** since October 2013
- 4 production wells
- 2 platforms, a well head platform bridge linked to a processing and living quarter platform
- ≥65 billion cubic feet of gas has been produced so far
- 312 kilometer under-water pipeline from Ruby offshore platform to onshore receiving facility at Senipah

**Strongly supporting** National Food Security Program

Ruby gas sold to domestic market, with PT Pupuk Kalimantan Timur as the buyer

**Sebuku PSC**
- 15% INPEX South Makassar, LTD.
- 15% Total E&P Sebuku
- 70% Mubadala Petroleum (Operator)

**West Sebuku PSC**
- 24.5% INPEX West Sebuku LTD.
- 75.5% Mubadala Petroleum (Operator)
Working with Communities in Indonesia

Mubadala Petroleum is committed to playing a responsible role and contributing to the long-term, sustainable development of the communities where we operate. In Indonesia we have a well-established community investment program partnering with local stakeholders to support the communities of East Kalimantan, South Kalimantan, and West Sulawesi, closest to Ruby.

Our Approach

We develop partnerships and programs with local authorities and community groups to understand and address community needs.

Community Investment

Since 2014 more than 15 fish aggregating devices (FAD) supporting fisherman from Majene, West Sulawesi to increase their economic income.

Education

Since 2013, 500 elementary students have benefitted from school facility improvement projects and a reading day program in Samboja, East Kalimantan.

Since 2015, we have provided scholarships to over 60 underprivileged polytechnic students from fisherman families in Kotabaru, South Kalimantan to pursue higher education.
Malaysia

Mubadala Petroleum has been present in Malaysia since 2010 and is operator of the offshore Block SK320 containing three recent gas discoveries. Work is ongoing with PETRONAS and partners to evaluate all the options for commercializing the resources with focus on Pegaga while the other discoveries are being assessed in a phased approach.

Block SK320

<table>
<thead>
<tr>
<th>Exploration Drilling</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pegaga-1 well</td>
</tr>
<tr>
<td>Drilled to a total depth of 2,029 meters, 247 meters gas column</td>
</tr>
<tr>
<td>Pegaga-2 appraisal well</td>
</tr>
<tr>
<td>Drilled to a total depth of 2,685 meters, 850 meters gas column</td>
</tr>
<tr>
<td>Sintok-1 well</td>
</tr>
<tr>
<td>Drilled to a total depth of 2,775 meters, 290 meters gas column</td>
</tr>
<tr>
<td>Sirih-1 well</td>
</tr>
<tr>
<td>Drilled to a total depth of 3,000 meters, 293 meters gas column</td>
</tr>
<tr>
<td>M5-2 appraisal well</td>
</tr>
<tr>
<td>Drilled to a total depth of 2,060 meters, delineated the reservoir extent</td>
</tr>
</tbody>
</table>

Achievements

- **June 2017**
  Received regulatory endorsement for the completed Front-End Engineering and Design (FEED) concept to develop the gas discovery.

- **April 2016**
  Received regulatory endorsement for the preferred concept for developing the Pegaga gas discovery.

Exploration Drilling

- 1.9 million hours without any recordable incidents since 2010.

In mid-2016, participated in a collaborative project to complete one of the largest 3D broadband marine seismic surveys in Southeast Asia and the largest ever conducted offshore Malaysia.

Recent Gas Discoveries

- Pegaga, Sirih, Sintok

Moving Pegaga Forward

Mubadala Petroleum is committed to the development based around Pegaga and has the capability to do so. We are putting in place the additional resources required to progress the development following final investment decision. We believe that Pegaga is among the largest discoveries of recent years in Malaysia. We are also continuing to explore growth opportunities within and outside Malaysia.
Mubadala Petroleum present in Vietnam since 2007, currently has non-operated interests in Block 07/03 containing the Cá Rồng Đỏ (CRD or Red Emperor) field and a 20 percent interest in the adjacent deepwater Blocks 135 & 136/03. All blocks are operated by Repsol.

07/03 with CRD field development

CRD field

- Located in the Nam Son Con Basin
- Deepest water development in Vietnam to date
- 2009 discovered
- 2013 appraisal completed
- April 2017 Field Development Plan approved by Vietnamese Government

CRD facilities

The CRD facilities will consist of a tension leg wellhead platform (TLWP) in over 300 metres water tied back to a floating production storage offloading vessel (FPSO) with gas delivered from the FPSO into the existing, regional Nam Con Son pipeline. The TLWP fabrication “first cut of steel” took place in October 2017 in Vung Tau, Vietnam.”