



N.I.O.C
KEPCO





Pronouncement by the Supreme Leader of the Islamic Republic of Iran on the Caspian sea

The Caspian Sea affairs may be resolved by rational approach followed by appropriate steps and close cooperation by regional countries. Caspian Sea is a God given gift and its neighboring nations should benefit from it justly; however, some world powers have no intension for resolving the regional conflicts. Your efforts at KEPCO are praiseworthy and

Khazar Exploration and Production Company (KEPCO)

KEPCO was established in January 1997 as one of the subsidiaries of the National Iranian Oil Company (NIOC). The company is responsible for the exploration, development and production of hydrocarbon resources in the South Caspian Basin and the three coastal provinces Gilan, Mazandaran and Golestan. KEPCO supervises all the contracts signed by local and international companies regarding the exploration and development of hydrocarbon reserves in the area, including the pertinent environmental matters. KEPCO is committed to developing Caspian Sea oil and gas reserves as well.

KEPCO Mission

"Exploration, development and production for the exploitation of hydrocarbon resources in the southern basin of the Caspian Sea and the three coastal provinces, processing and transportation of oil and gas" with the aim of maximizing national wealth and creating value for stakeholders.

Perspective

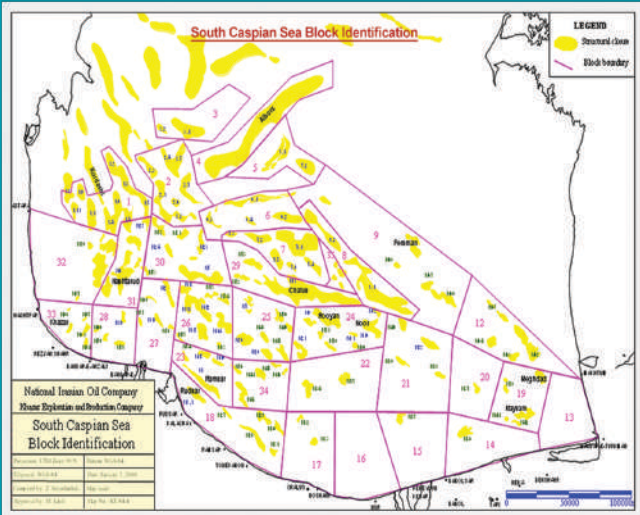
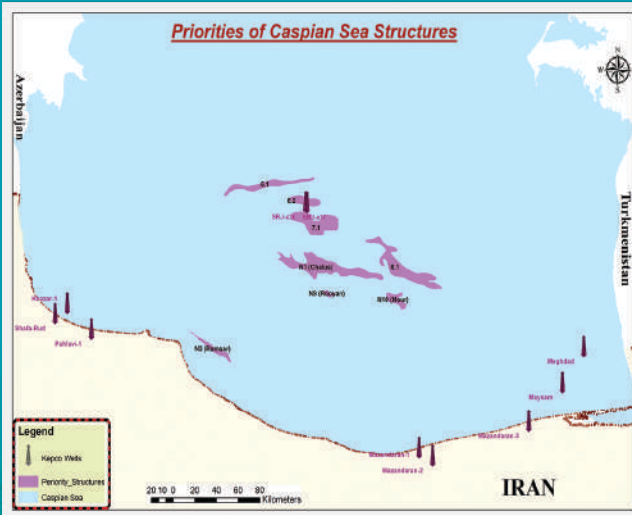
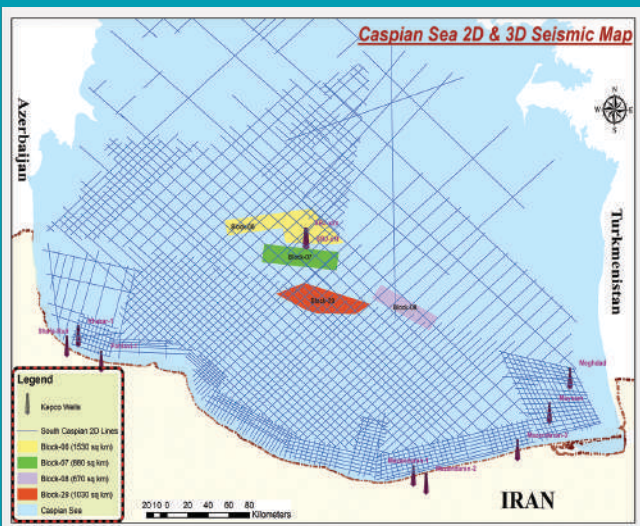
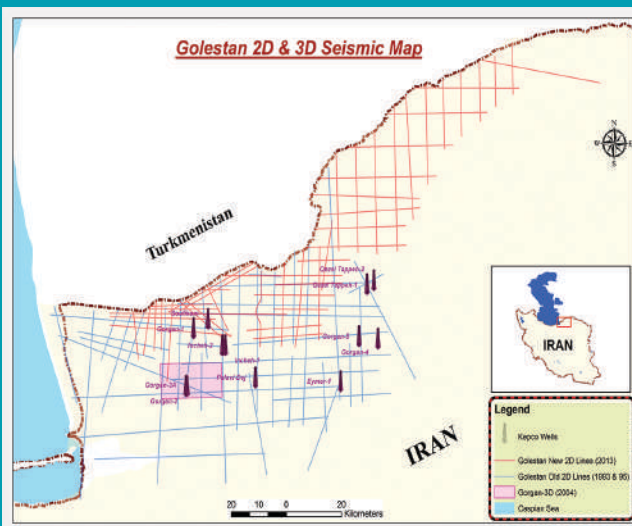
KEPCO's activities are laid out by a "roadmap" to achieve its objectives. These activities are based on scientific approaches and experiences and include education, training, and competitiveness with significant concerns for HSE norms and regulations and the company's social responsibilities.

- The only holder of technologies related to the purpose of production and exploitation of Deepwater resources in the Caspian Sea
- Navigation and management of the navy, air and efficient, agile and flexible support in crisis situations
- Has suitable substrates for processing and transportation of oil and gas by sea and land
- entrepreneur in the field of company activities with using capable, specialized and committed human resources.
- Provider of a significant share of oil and gas resources production, in proportion to the designated position in the development horizon of the country



Exploration activities carried out in the Caspian Sea and three coastal provinces (Mazandaran / Gilan / Golestan)

- 28,500 km of 2D seismic and 4200 km² of 3D seismic in the shallow and Deepwater in the sea
- 2800 km 2D seismic and 200 square kilometers 3D seismic in land
- 2D & 3D seismic in the land sector (Golestan province)
- 2D & 3D seismic in the shallow and Deepwater of the sea (South Caspian)
- Carrying out comprehensive and systematic studies and 2D seismic in the southern part of the Caspian Sea and preliminary identification of 46 small and large structures and prioritization of 8 structures identified for drilling and exploration operations and selection of 6.2 structure (Sardar Jangal) in block 6 as the first exploratory priority





- Review and update information on the South Caspian Study Group (SCSG) and potential reserves in the ongoing South Caspian Section
- Develop a comprehensive strategic development plan for the company (SMDP)
- 2D seismic with a length of 1250 km in the region (border land) with the neighboring countries of the Caspian Sea
- Drilling a well in the land section of Gorgan plain and 2 wells in the Deepwater section of the Caspian Sea (Sardar Jangal field)
- Carrying out static and dynamic studies in Sardar Jangal field
- Conducting geological surface studies of Gorgan Gonbad region





KEPCO Mission

- Establishment of infrastructure required for exploration operations in the north of the country, especially in the Deepwater of the Caspian Sea by constructing a semi-submersible drilling rig, 3 vessels supporting marine exploration operations, construction of a support base for drilling operations.
- Carrying out comprehensive exploratory studies of hydrocarbon structures under the seabed in the South Caspian Basin.
- Carrying out the required 2D and 3D seismic and integrating the seismic information of the South Caspian Basin.
- Oil exploration in Sardar Jangal field with successful drilling of two exploration wells in the Deepwater of the Caspian Sea, it should be mentioned that the exploration of hydrocarbon resources in deeper formations in this field is still under investigation and action.
- The first company with Deepwater drilling technology and experience in the Middle East.
- Planning with the aim of sustainable and environment-oriented development in the South Caspian Basin.
- The only company in the Middle East region that is a member of the Club of companies with technology and activities in the Deepwater of the world.



Current projects:

- 2D seismic of the sea-land transition zone in the border areas east of the Caspian Sea and west of Golestan province, which can continue for the entire Caspian coast in the three Northern provinces.
- Exploratory drilling in shallow priority structures of the Caspian Sea.
- Overhaul of AmirKabir semi-submersible rig and Caspian vessels as the most valuable assets of the NIOC in the Caspian Sea.
- Drilling in the priority structures in the Deepwater of the Caspian Sea.
- Carrying out research projects in order to complete the upstream data of the South Caspian Basin.



Long-term plans of KEPCO

- Perform two 3D seismic operations in the Caspian Sea.
- Carrying out 18 exploratory drilling operations in the Deepwater section of the South Caspian Sea.
- Carrying out drilling operations of a land exploration well at a depth of more than 6000 meters.
- Development and production of priority structures after completion of exploration activities.



Investment packages for exploration, development and production of the priority structures in the Deepwater sector of the Caspian Sea

a) Package 1:

Exploration structure - Block 29
Location of the block: 135 km to the shore
Water depth: 800 meters

b) Package 2:

Sardar Jangal filed - Block 6
Location of the block: 193 km to the shore
Water depth: 750 meters

c) Package 3:

Exploration structure - Block 29
Location of the block: 135 km to the shore
Water depth: 800 meters

d) Package 4:

Exploration Structure - Block 8
Location of the block: 137 km to the shore
Water depth: 550 meters

e) Package 5:

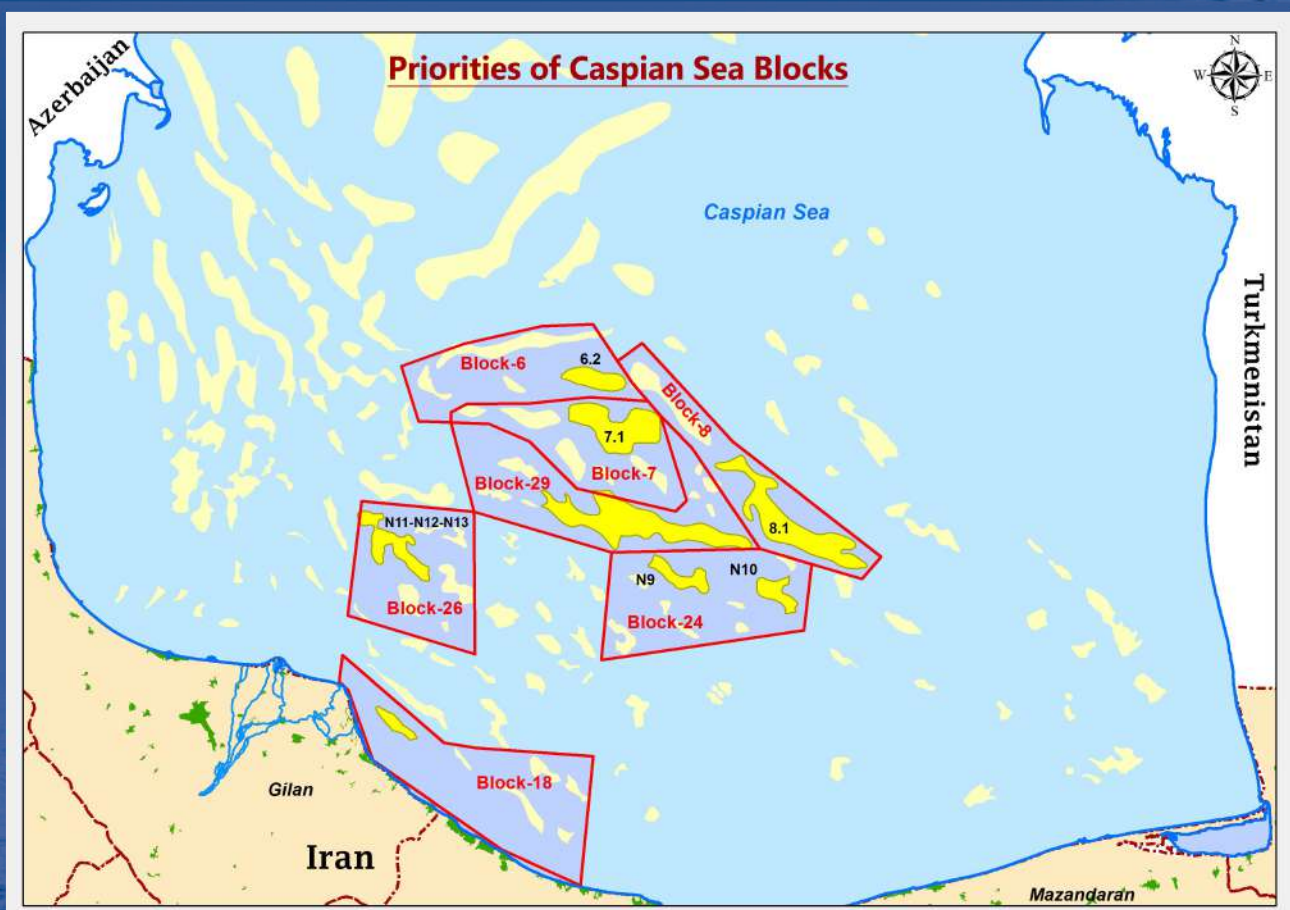
Exploration structure - Block 24
Location of the block: 110 km to the shore
Water depth: 600-800 meters

f) Package 6:

Exploration structure - Block 26
Location of the block: 47 km to the shore
Water depth: 850 meters

g) Package 7:

Exploration structure - Block 18
Location of the block: 90 km to the shore
Water depth: 80-90 meters



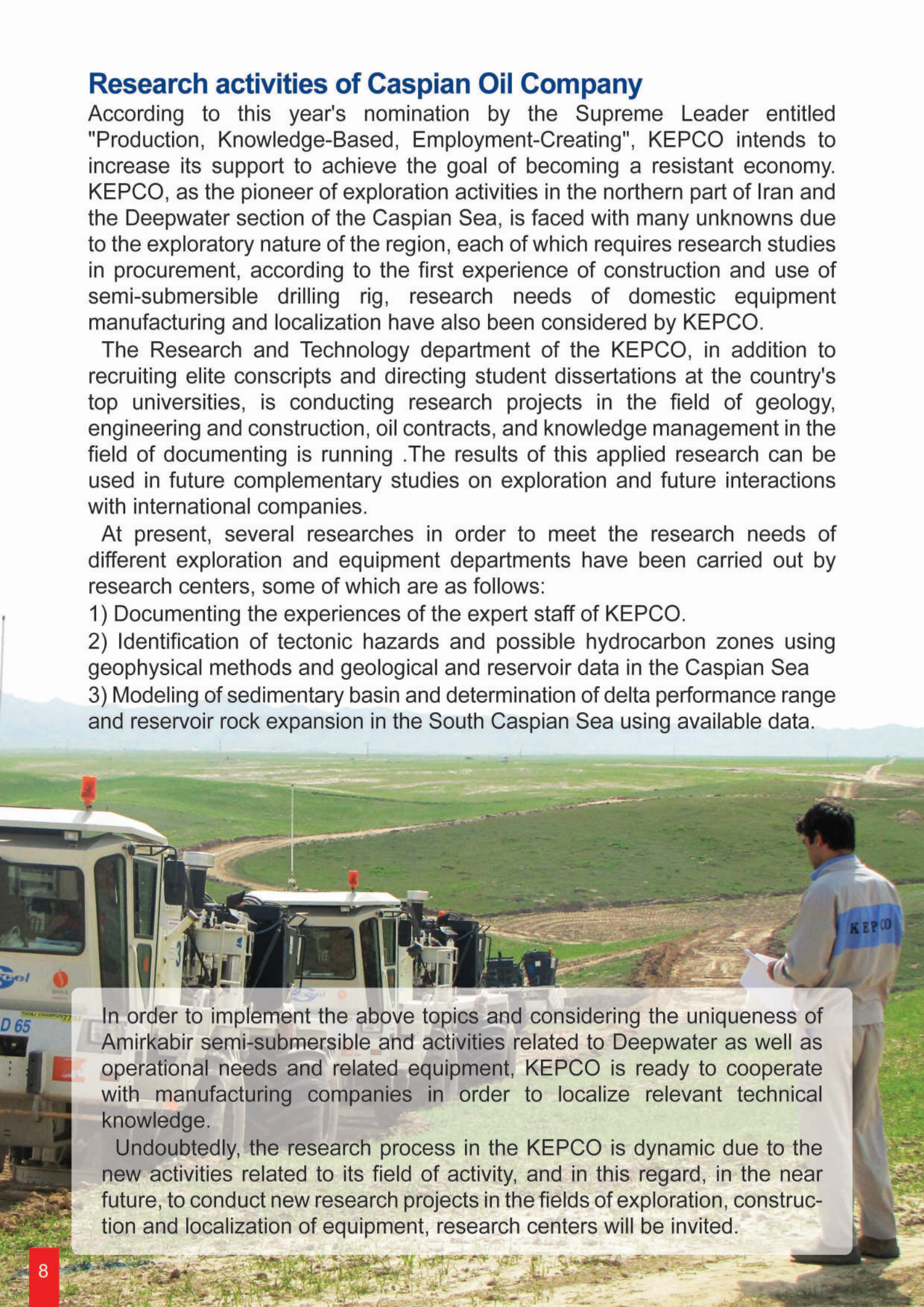
Research activities of Caspian Oil Company

According to this year's nomination by the Supreme Leader entitled "Production, Knowledge-Based, Employment-Creating", KEPCO intends to increase its support to achieve the goal of becoming a resistant economy. KEPCO, as the pioneer of exploration activities in the northern part of Iran and the Deepwater section of the Caspian Sea, is faced with many unknowns due to the exploratory nature of the region, each of which requires research studies in procurement, according to the first experience of construction and use of semi-submersible drilling rig, research needs of domestic equipment manufacturing and localization have also been considered by KEPCO.

The Research and Technology department of the KEPCO, in addition to recruiting elite conscripts and directing student dissertations at the country's top universities, is conducting research projects in the field of geology, engineering and construction, oil contracts, and knowledge management in the field of documenting is running. The results of this applied research can be used in future complementary studies on exploration and future interactions with international companies.

At present, several researches in order to meet the research needs of different exploration and equipment departments have been carried out by research centers, some of which are as follows:

- 1) Documenting the experiences of the expert staff of KEPCO.
- 2) Identification of tectonic hazards and possible hydrocarbon zones using geophysical methods and geological and reservoir data in the Caspian Sea
- 3) Modeling of sedimentary basin and determination of delta performance range and reservoir rock expansion in the South Caspian Sea using available data.



In order to implement the above topics and considering the uniqueness of Amirkabir semi-submersible and activities related to Deepwater as well as operational needs and related equipment, KEPCO is ready to cooperate with manufacturing companies in order to localize relevant technical knowledge.

Undoubtedly, the research process in the KEPCO is dynamic due to the new activities related to its field of activity, and in this regard, in the near future, to conduct new research projects in the fields of exploration, construction and localization of equipment, research centers will be invited.



Amir Kabir

Semisubmersible symbolizing
Iranian expertises in
Deep Water technology



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