



Quick Review

Oil & Gas

A Quick Review on Oil & Gas

Iran holds some of the world's largest deposits of proved oil and natural gas reserves, ranking as the world's fourth-largest and second-largest reserve holder of oil and natural gas, respectively. Iran also ranks among the world's top 10 oil producers and top 5 natural gas producers.

	1995	2005	2014	2015	Share of world total
Oil total proved reserves (Thousand million barrels)	93.7 z	137.5	157.8	157.8	9.3%
Natural gas total proved reserves (Trillion cubic meters)	19.4	27.6	34.0	34.0	18.2%

Oil industry enjoys a special status in the Iranian economic development and some of its pivotal roles, including the fundamental role in realization of macro targets of national economy especially in the 20-year Vision Plan.

Promoting Iran's economic diplomacy & ensuring national security through development of cooperation and regional and international interactions, in addition to the country's 28% share in GDP, the 84% share in foreign exchange revenues, the oil industry is among major advantages of Iran's economy.

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Change 2015 over 2014	2015 share of total
Oil Production (thousands of barrels per day)	4216	4290	4333	4361	4250	4420	4466	3814	3611	3736	3920	4.5%	4.2%
Oil Refinery capacities	1692	1772	1772	1805	1860	1860	1860	1952	1985	1985	1985	-	2.0%
Natural gas Production (billion cubic meters)	102.3	111.5	124.9	130.8	143.7	152.4	159.9	166.2	166.8	182.0	192.5	5.7%	5.4%

Iran's location in the center of energy ellipse (the ellipse contains 70% of oil resources and 40% of gas reserves of the world). With regard to natural facilities and giant oil and gas reserves which are estimated at about 137.62 billion barrels of extractable liquid hydrocarbon reserves (crude oil, gas liquids and condensates) with the remaining life expectancy of 84 years for oil reserves and 29.61 trillion cubic meters of extractable natural gas with the life expectancy of one and a half centuries, suitable and targeted exploitation of the resources has led the promotion of standards of living and welfare of people. Iran is a gas province and not an oil province in the Middle East. The introduced list of oil and gas projects indicates that Iran may not be able to increase oil production capacity substantially, but there will be huge potential for incremental gas production. Establishment of several refineries and discovery of dozens of oil and gas fields in recent years, especially discovery of South Pars gas field which is among the world's largest gas reserves, discovery of giant Azadegan and Yadavaran oil fields and Tabnak gas field are among most important achievements in the area of oil exploration activities.



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The South Pars gas field is one of the world's largest independent gas reserves which is located on the joint Iran-Qatar borders and is about 100m from the Iranian southern coasts. The extent of the field in the Iranian section is 3700 square km with a capacity of over 14 trillion cubic meters which is equal to 8% of the world gas reserves and 50% of Iran's known resources.

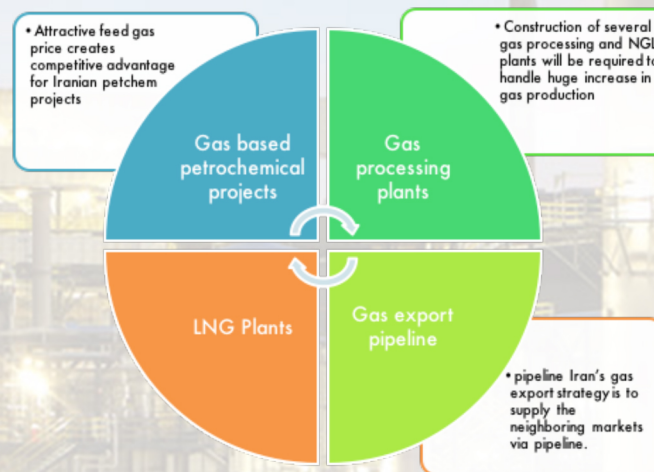
Development of South Pars joint gas field with an aim to supply Iran's need to gas for injection into oil fields, supply to industrial units & power plants, providing households and trade units with gas, supplying gas to petrochemical complexes and export of gas, gas condensate, liquid gas and sulfur are included in the agenda of the Iranian Oil Ministry.

- Iran hopes to attract 20-30 billion US\$ of foreign investment into its oil and gas sector with its new contract model, once oil sanctions are lifted
- With the development of the listed oil fields, Iran hopes to bring nearly 1 mm b/d of additional crude oil into market over next 4-5 years. The ambitions for the gas sector are even more robust, with a goal to increase production from new gas fields by over 15bscf/d.
- In new upstream contract model, Iran has tried to address the buy-back contract shortcomings and has made its best efforts to make the structure more attractive at least compared with the existing Iraqi upstream contracts.

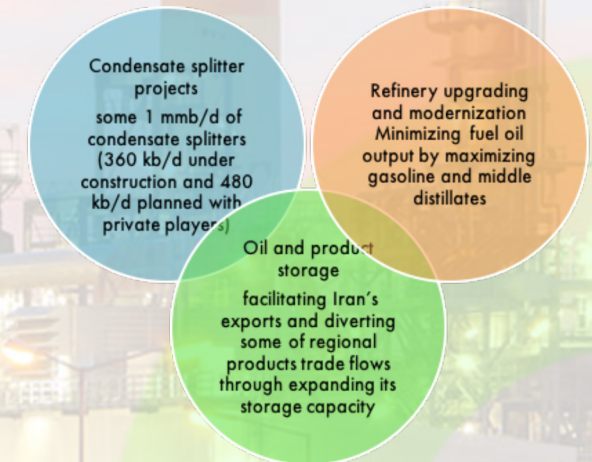
Innovation and Opportunity

- Iran 2025: producer of 7% oil & 8% gas in the world
- The 20-year Vision Plan of Iran's oil and gas industry has been developed on four pivotal axes.
 - According to the first axis, Iran would be the first producer of petrochemical substances in the region in 2025, in terms of value.
 - Also by the end of 2025, some 7% of global oil market would belong to Iran.
 - The third axis belongs to gas to such an extent that by the end of the Vision Plan Iran would be the third gas producer in the world with a share of 8% to 10% of the world gas trade and gas products.
 - Also, in the fourth axis Iran would hold the first place in terms of oil and gas technology in the region

Opportunities in Iran the gas and petrochemical industry



Opportunities in Iran Refining industry



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