



Iraq's Strategy for Gas Utilization

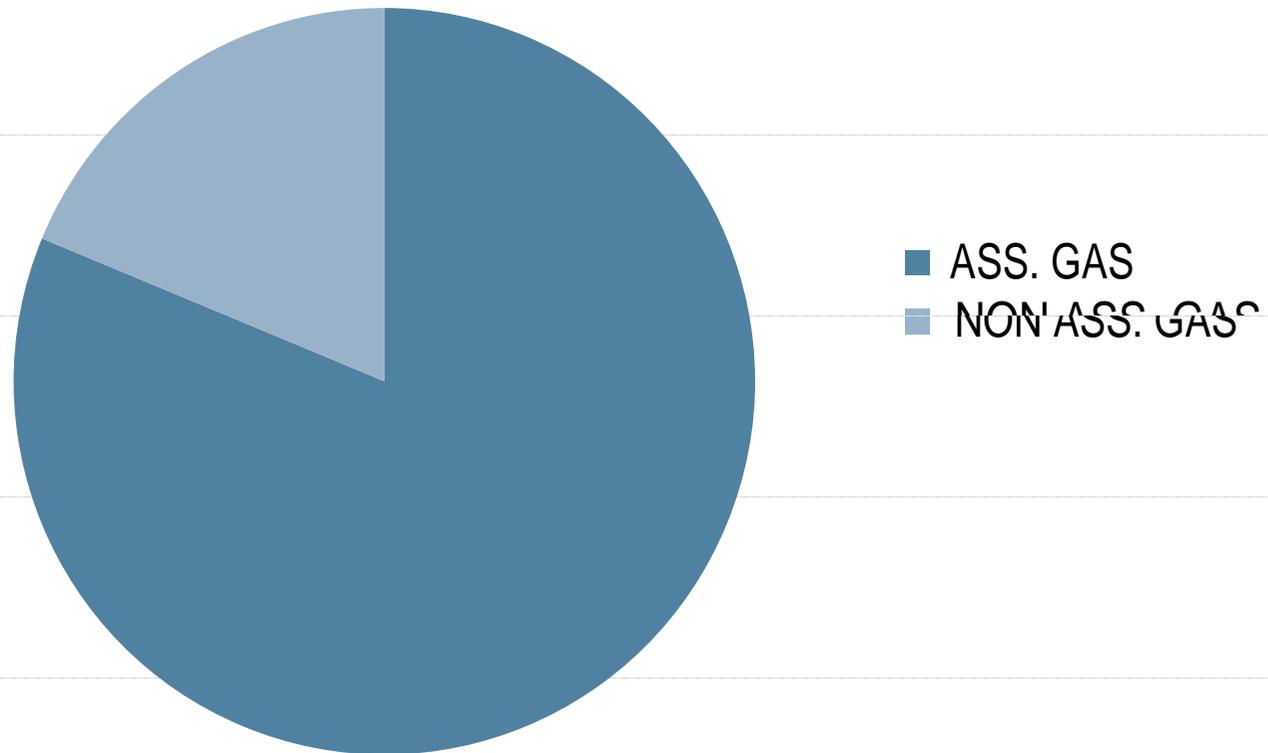
Asri Mousa

Expert, Oil and Gas, Iraq

Iraq Petroleum 2010
Conference

29 Nov. – 1 Dec.
London, UK

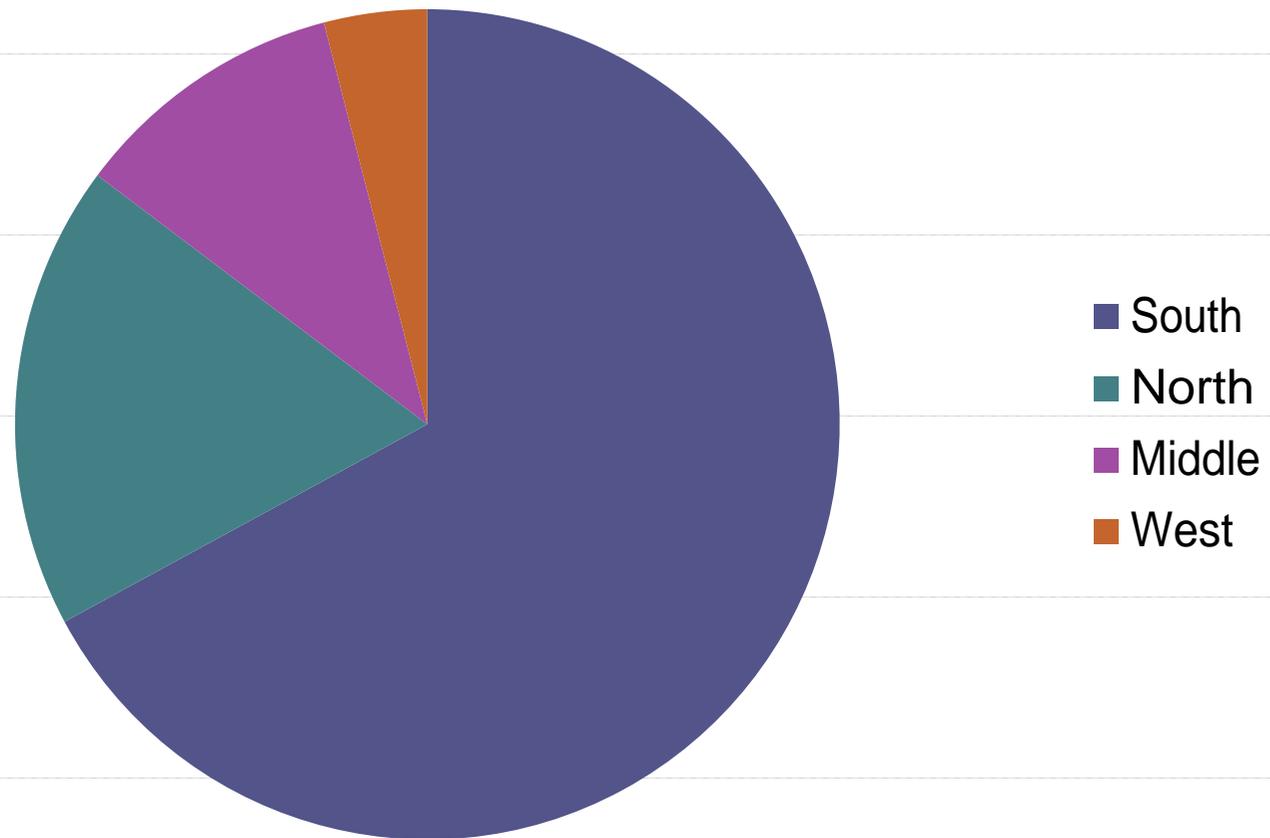
IRAQ GAS RESERVES - 112.6 TCF -
This figure shall be officially corrected upward



ESTIMATED PROBABLE RESERVES ARE 275 TCF

Geographical Distribution of Iraq's Gas Reserves

Total = 112.6 TCF

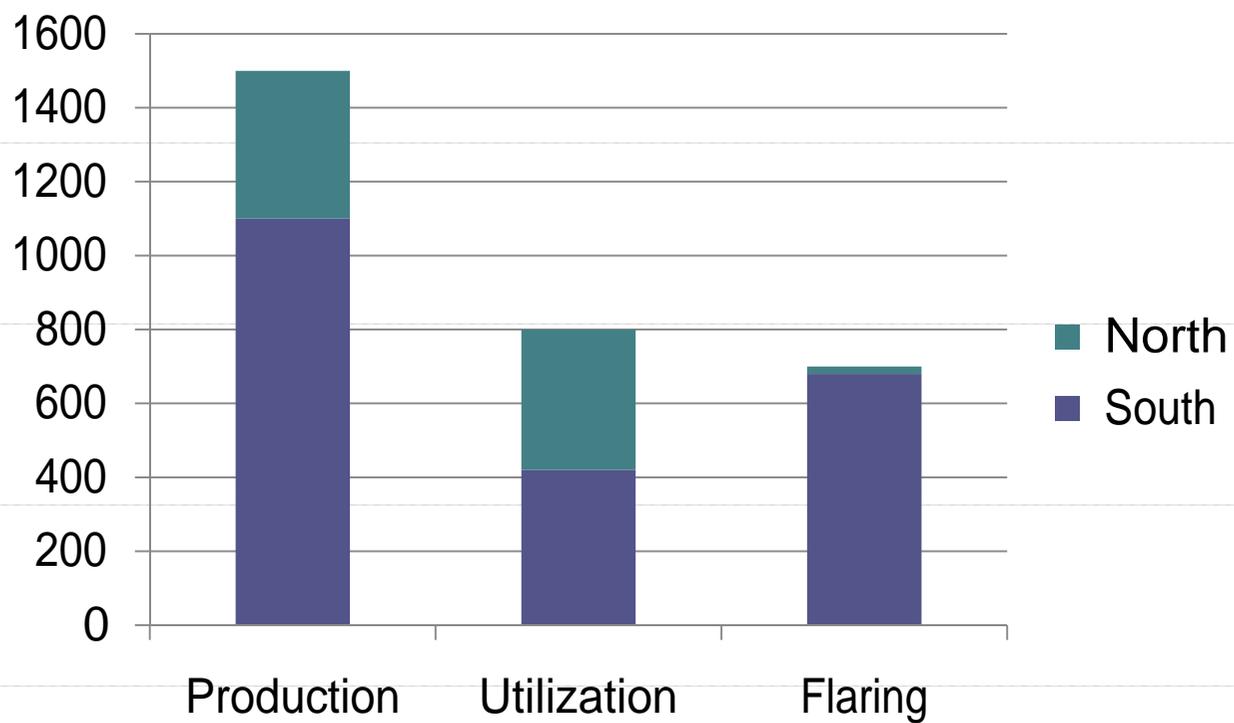


Global Gas Flaring BCM / Y

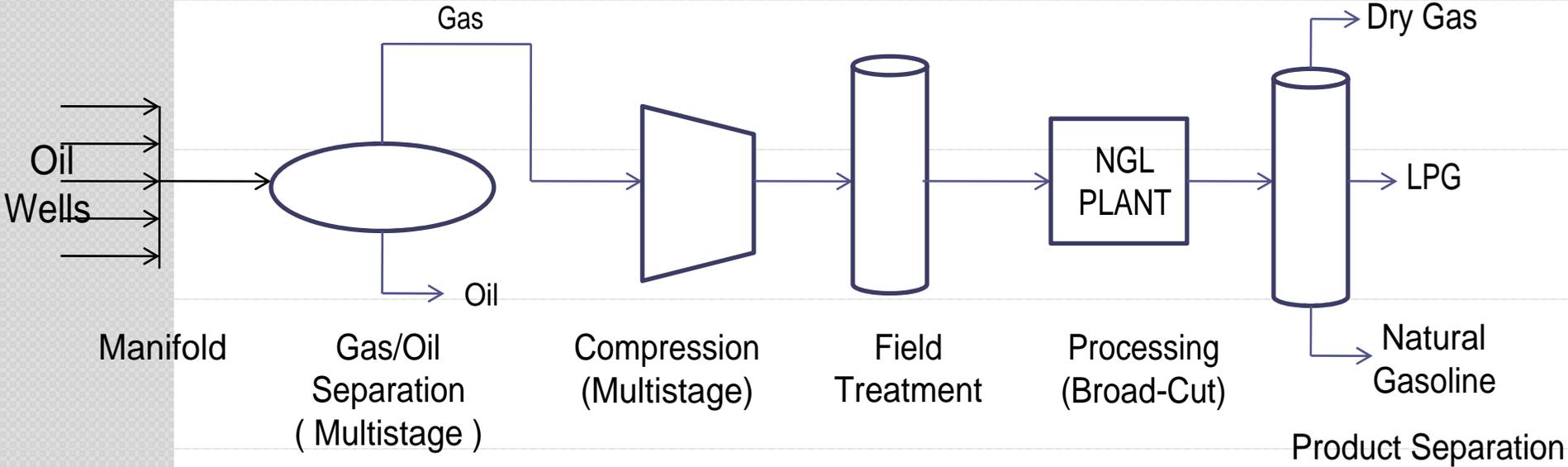
- 2008 Satellite Data by WB GGFR Program -

No.	Country	Flared Gas BCM
1	Russia	40.2
2	Nigeria	14.9
3	Iran	10.6
4	Iraq	7.0
5	Algeria	5.5
6	Kazakhstan	5.2
7	Libya	3.7
8	Saudi Arabia	3.5
9	Angola	3.1
10	Qatar	3.0
Total Top 10		96.7
Total World		140

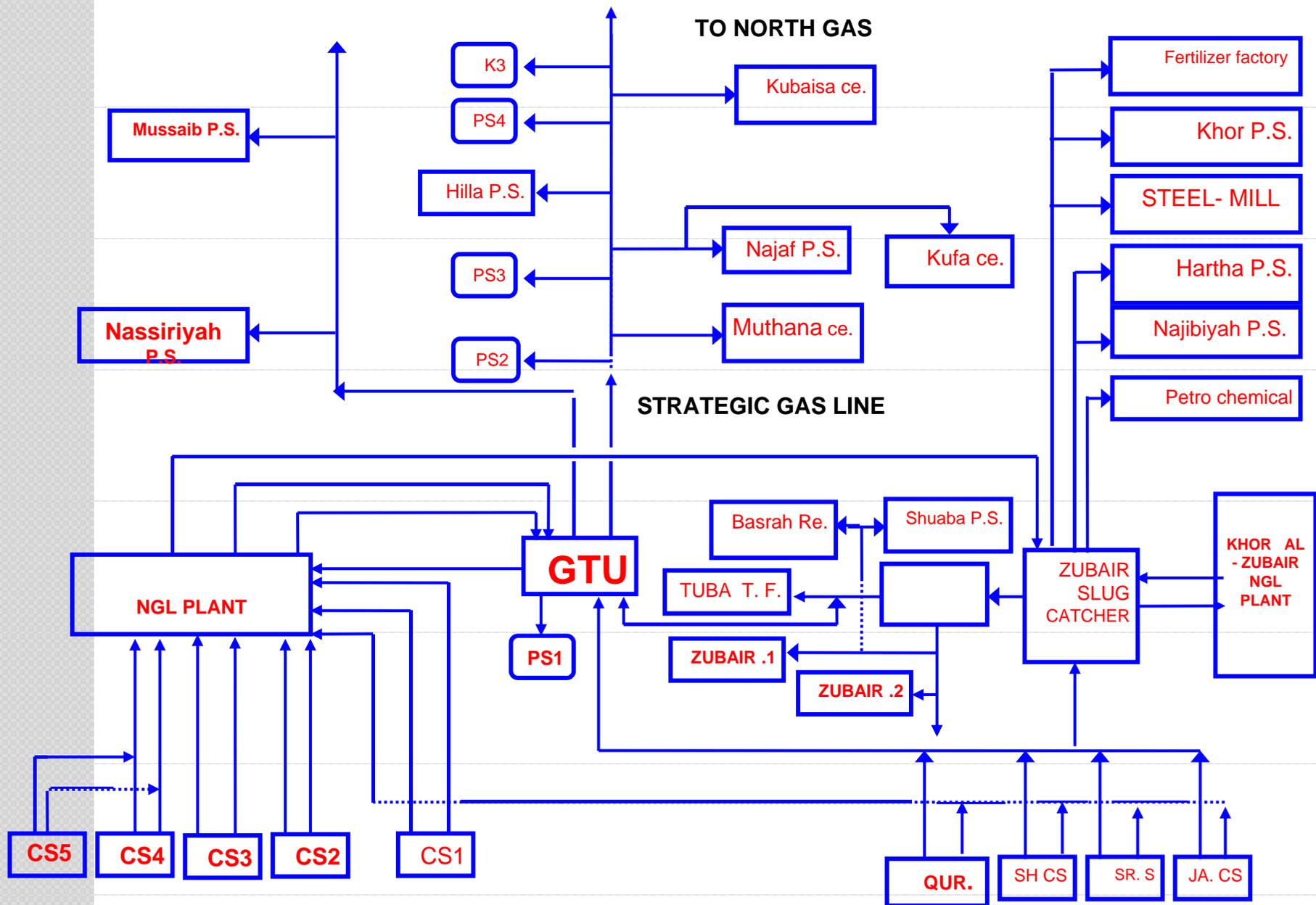
IRAQ CURRENT GAS PRODUCTION, UTILIZATION AND FLARING - MMSCFD -



Associated Gas Gathering , Treatment and Processing



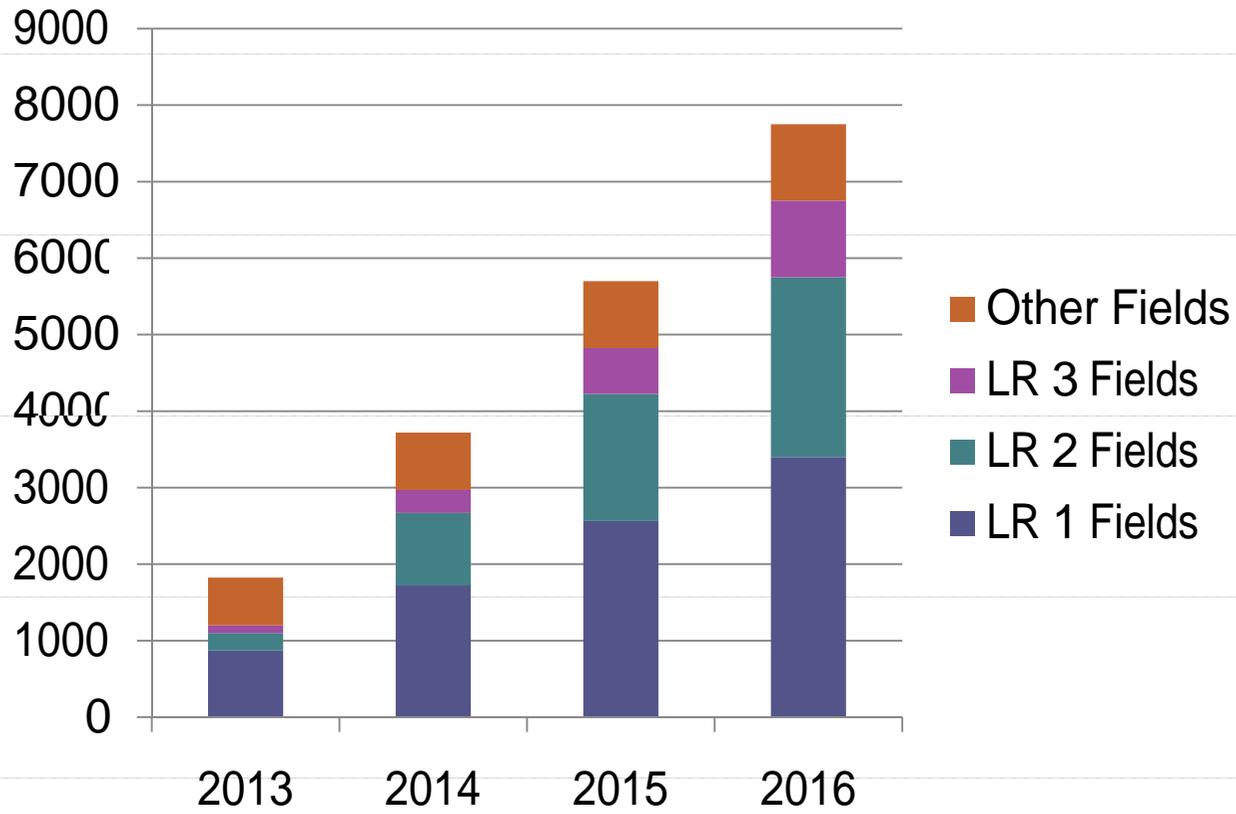
Gas Chain Infrastructure in Southern Iraq



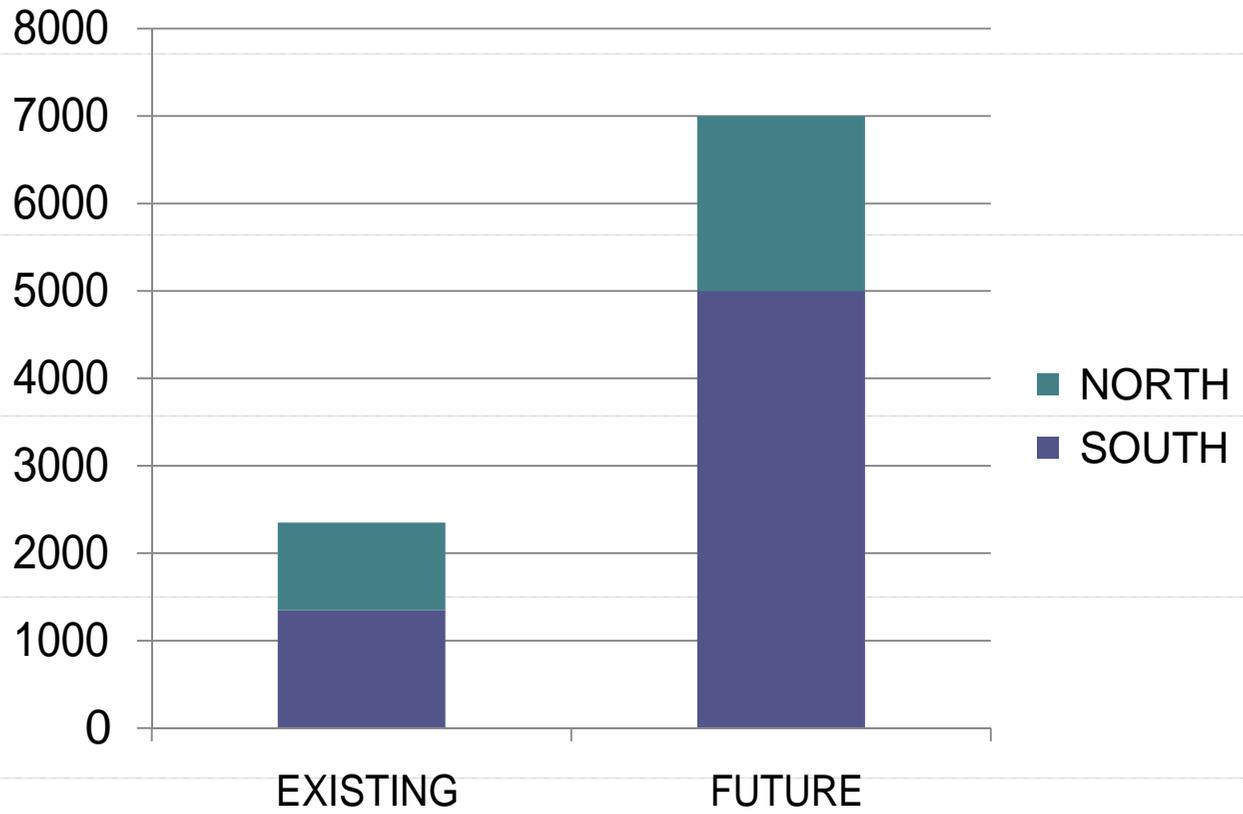
SOUTH GAS NETWORK

IRAQ GAS PRODUCTION CAPACITY EXPANSION (2013 – 2016)

- MMSCFD -



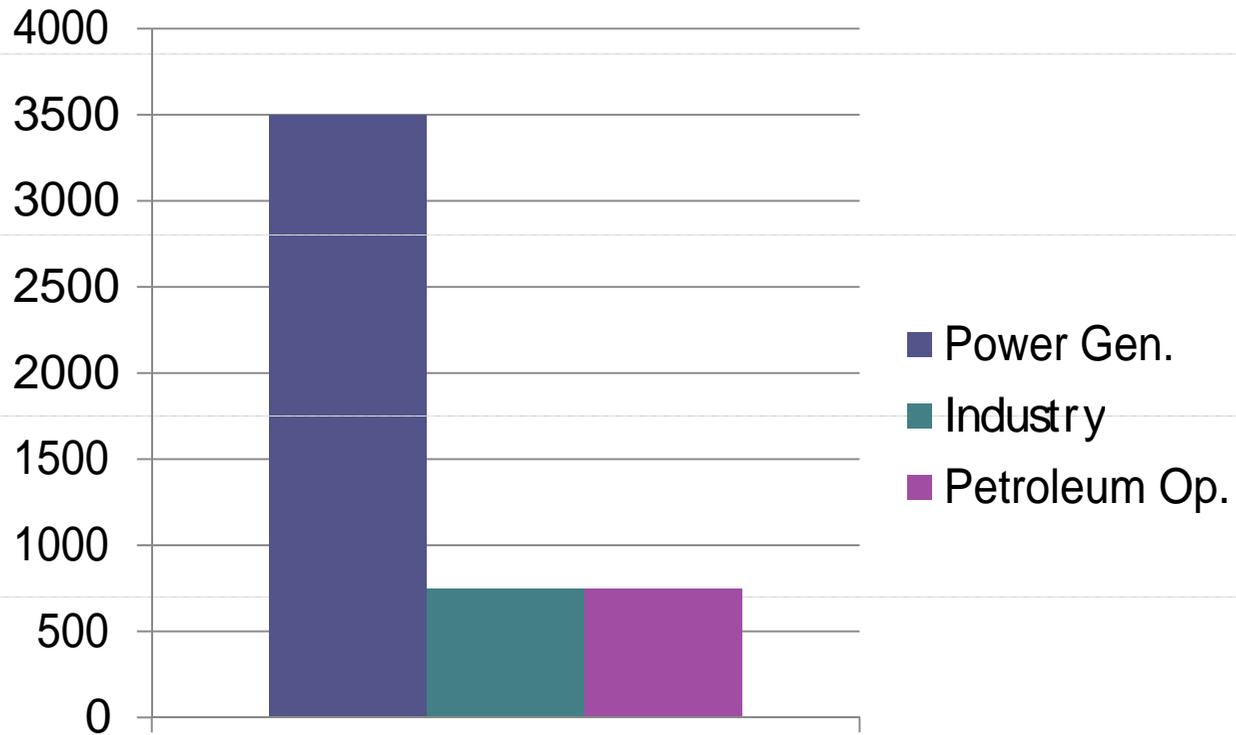
IRAQ GAS PROCESSING CAPACITY EXPANSION - MMSCFD -



PLANNED NEW GAS INFRASTRUCTURE

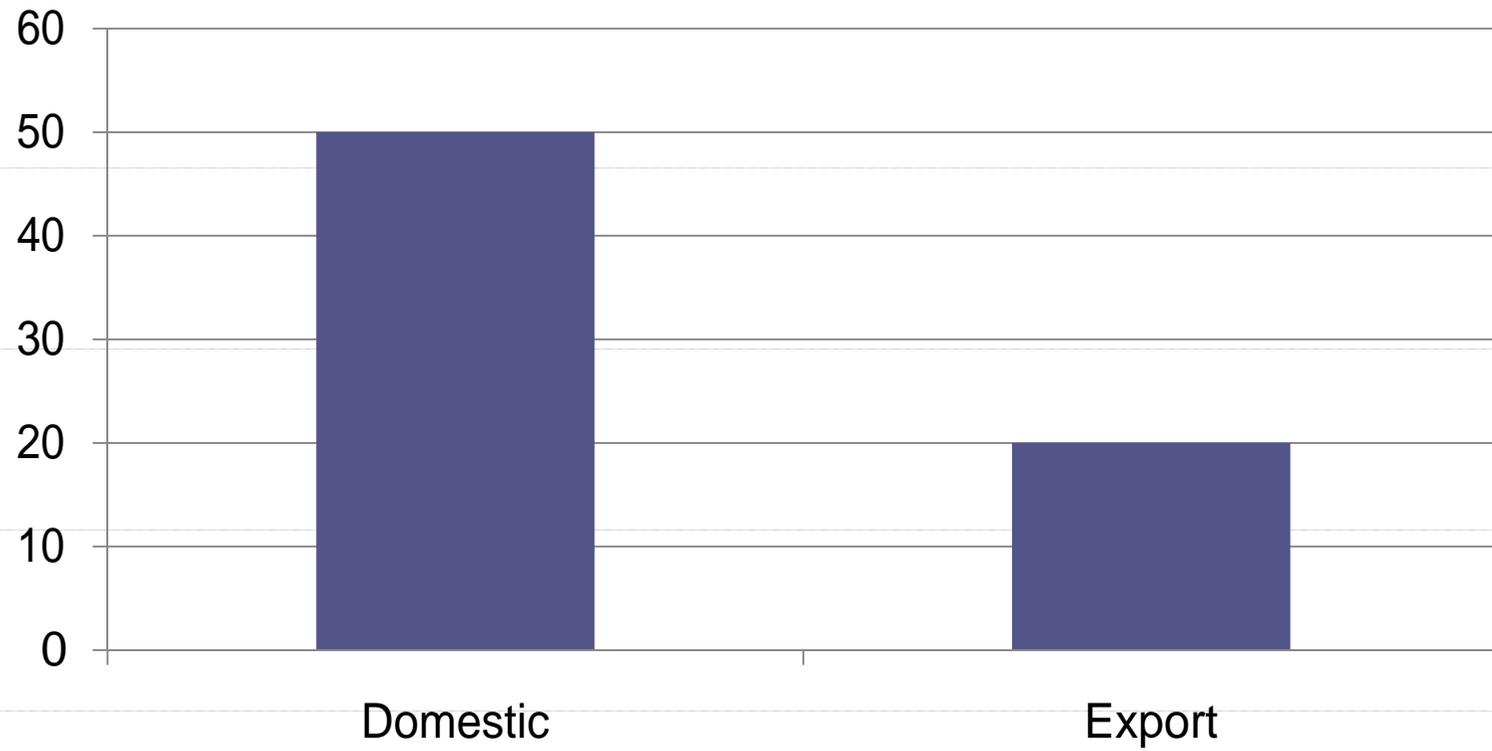
- 5 Gas Plants in the South : 3650 MMSCFD
- 2 Gas Plants in the North : 1000 MMSCFD
- 2 Dry Gas Pipelines : 3000 km
- LPG Pipeline : 1000 km

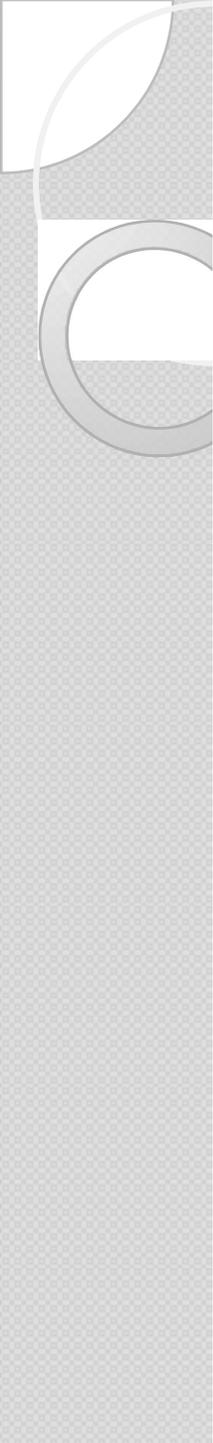
DOMESTIC GAS DEMAND - MMSCFD -



-Domestic Gas Demand shall be finalized after completing the Integrated National Energy Strategy (INES) study

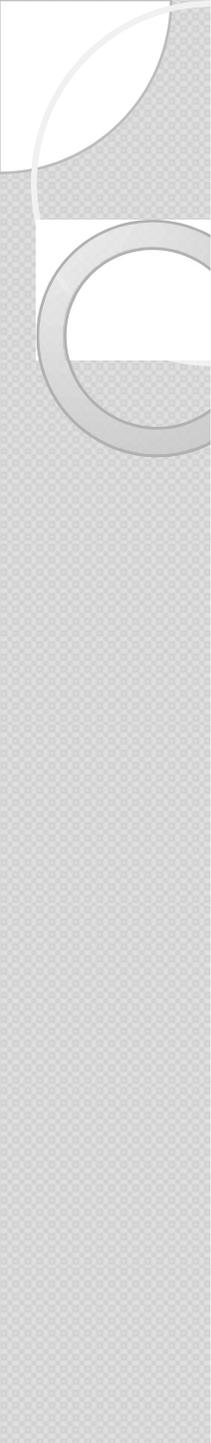
IRAQ FUTURE GAS DOMESTIC DEMAND AND EXPORT BCM / Y

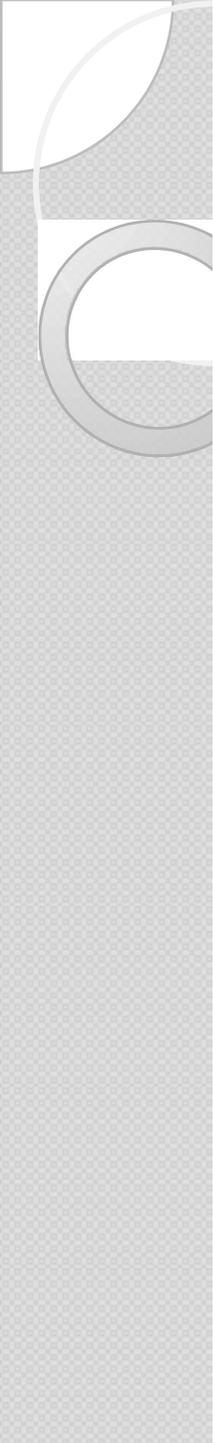




Iraq's Strategy to Develop Gas Sector and Utilize Gas Reserves

- Adopting a multi-track strategy to develop gas sector and leverage the key elements that drive the country to emerge as a gas producer and exporter.
- Establish “Joint Ventures” with reputable international gas companies.
- Build gas gathering and processing facilities within the scope of work of oil fields License contracts.
- Signing License contracts for gas fields.

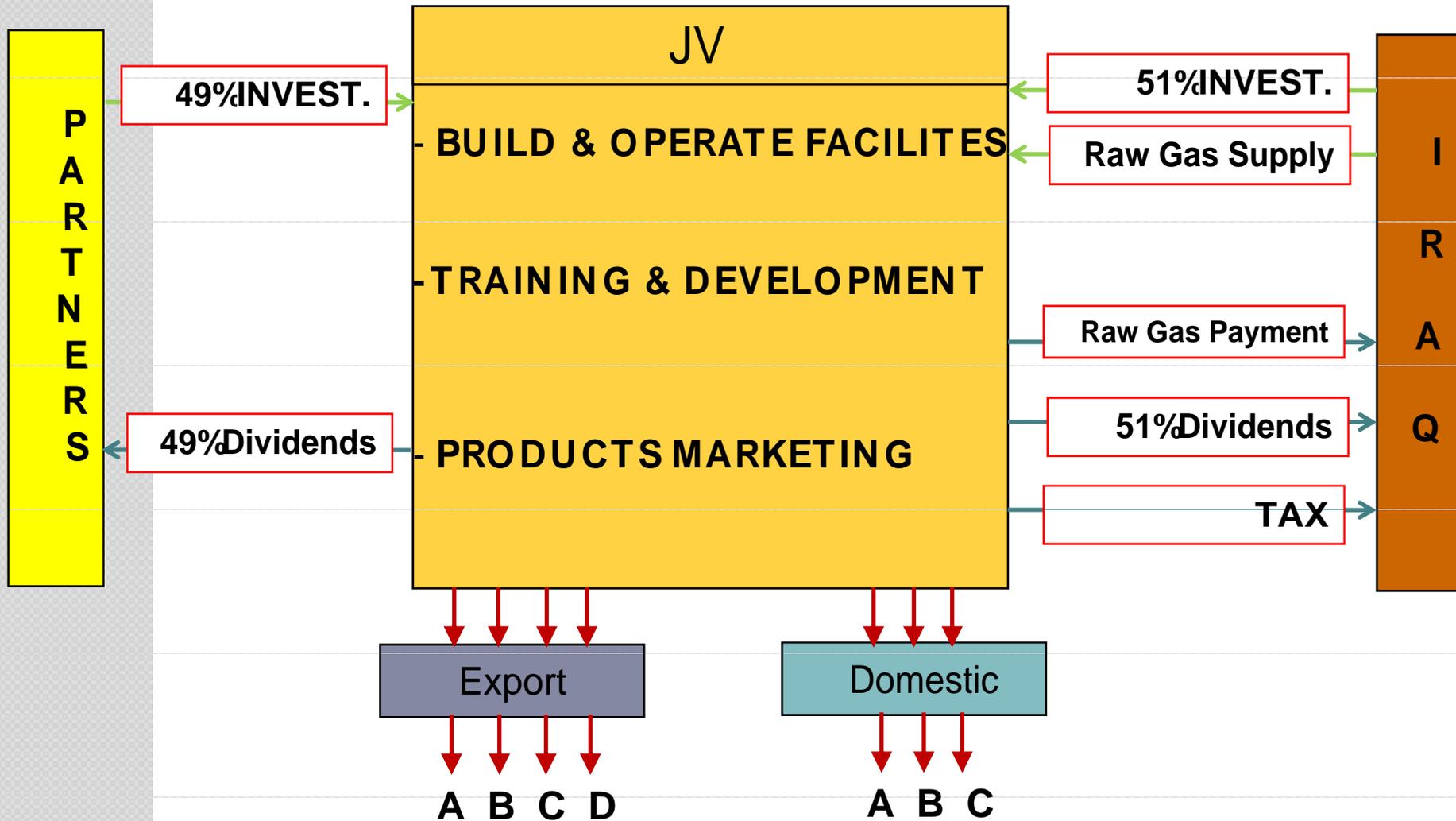
- 
- “National Efforts” to utilize gas from un-contracted fields.
 - Complete pan-country gas infrastructure to meet domestic demand.
 - Draw projects for future gas export.
 - Expand gas infrastructure for export.
 - Exploration for more gas.



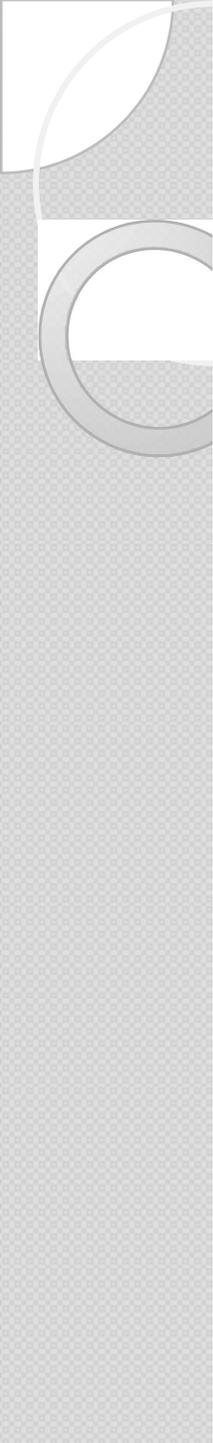
The Gas Joint Venture Model

- A joint venture between an Iraqi state-owned gas company and a sound gas international firm(s) on balanced and transparent terms is the best option to develop the gas sector in Iraq and upgrade it to world-class gas industry taking into consideration the huge volume of gas produced, magnitude of investment required, need for technology deployment and development of national human resources.

Gas Joint Venture Concept



A- Dry Gas , B- LPG , C- N.Gasoline , D- LNG



Conclusions

- Iraq's gas reserves present the country to be one of the main gas producers and exporters in the world.
- The country's gas production is on the way to multiply five folds to reach more than 70 BCM a year within the next seven years.
- A multi-track strategy is a key solution for Iraq to face up the numerous challenges encompassing its gas reserves utilization.
- Iraq needs equitable partnerships with experienced international gas industry players to develop its vast gas resources and build its gas sector into a world-class industry.
- Exploration for more gas is required to compensate for depletion with special focus for non-associated gas finds.

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