



OFFSHORE OIL & GAS CURRENT SITUATION & FUTURE PERSPECTIVE

Presented by: Mahmoud Hamdy





Introduction

Oil & Gas Industry

Latest Offshore
Explorations

Offshore OG Vs
Shipyards relation

Conclusion and
Recommendations

Introduction

- This is to present the relation between Egypt offshore oil and gas current situation and future perspective and how it can affect the development of the shipyards.



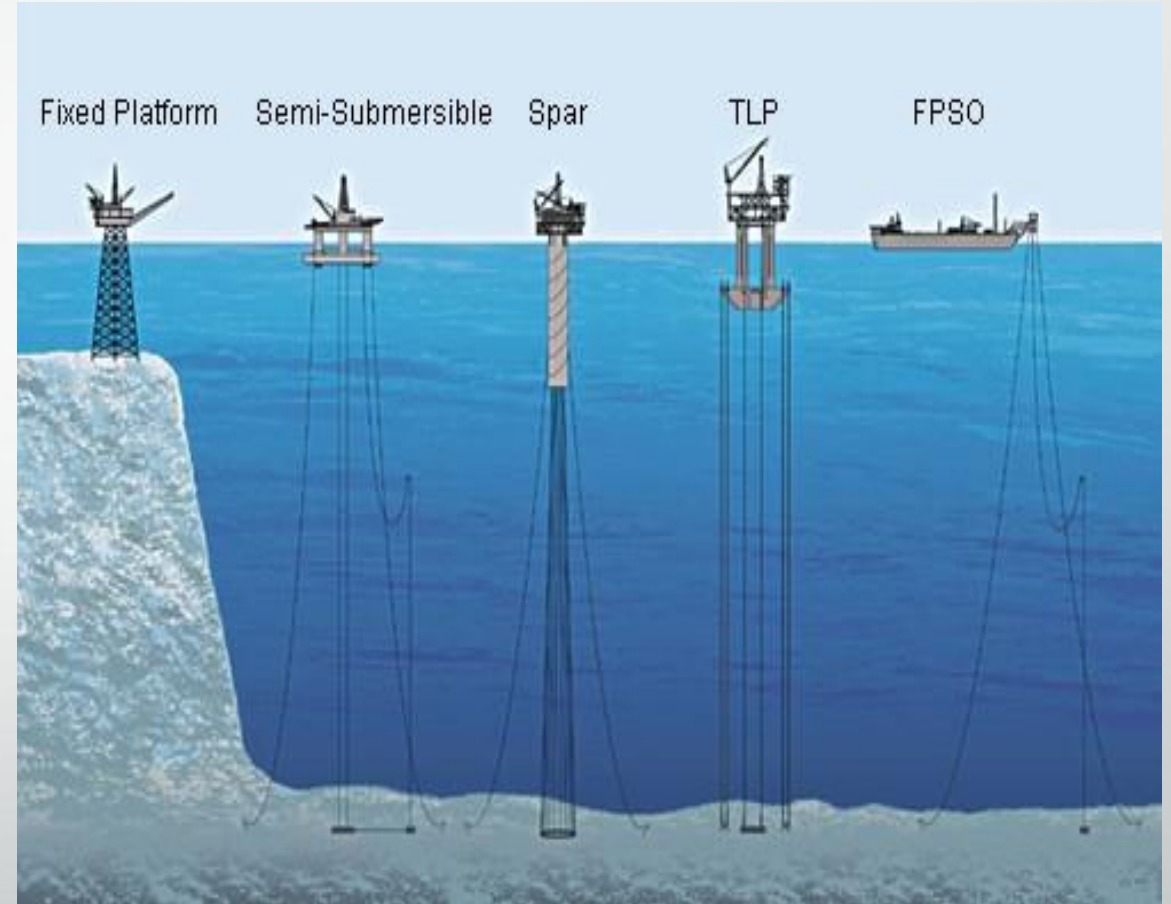
- To meet the increasing energy demand, oil and gas will continue to be the major source of the world's energy well into the 21st century. Moreover, petroleum resources are plentiful, despite some speculation to the contrary. The most troubling questions for the oil and gas industry related to deliverability rather than availability, and this is surely where technology will play an increasingly important role.



- Offshore production began in 1940's . Advancements in technology have expanded the industry to deeper water. Over the last six decades, offshore production has increased tremendously. Currently, approximately 30 percent of world oil and gas production comes from offshore and it is expected to continue to increase in the future.



- Fixed platforms were initially used for the offshore development, but as the fields have gone deeper, floating production facilities have become the main solution for the offshore production. There are mainly four types of floating production facilities; Floating Production Storage and Offloading (FPSO) vessels, Tension Leg Platforms (TLPs), Spars and Production Semi-Submersibles.



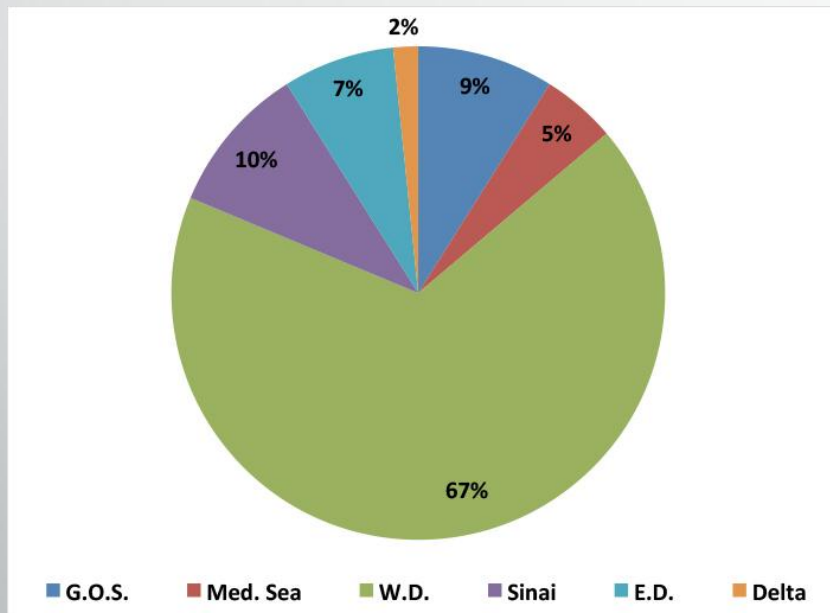
Oil & Gas Offshore Units



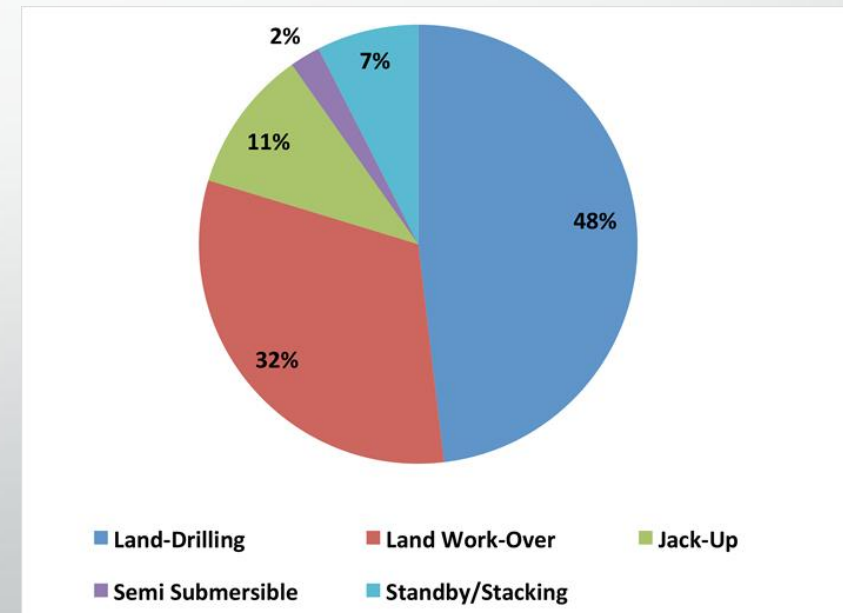
Rigs Distribution at Egypt

Total Rigs at December 2014 was 123 Rig

Rigs Per Area at Egypt

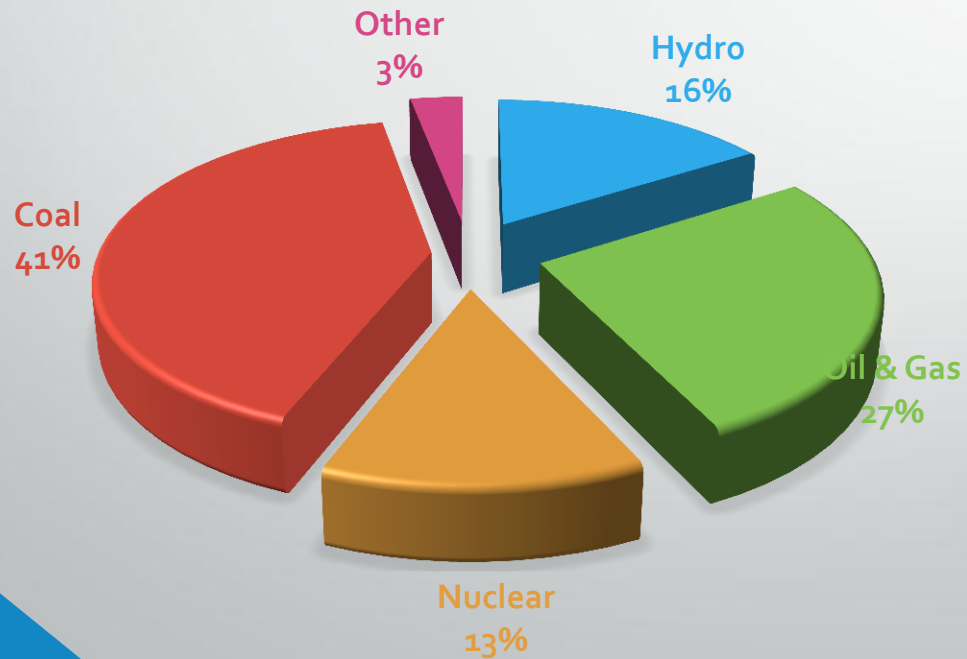


Rigs Per specifications at Egypt

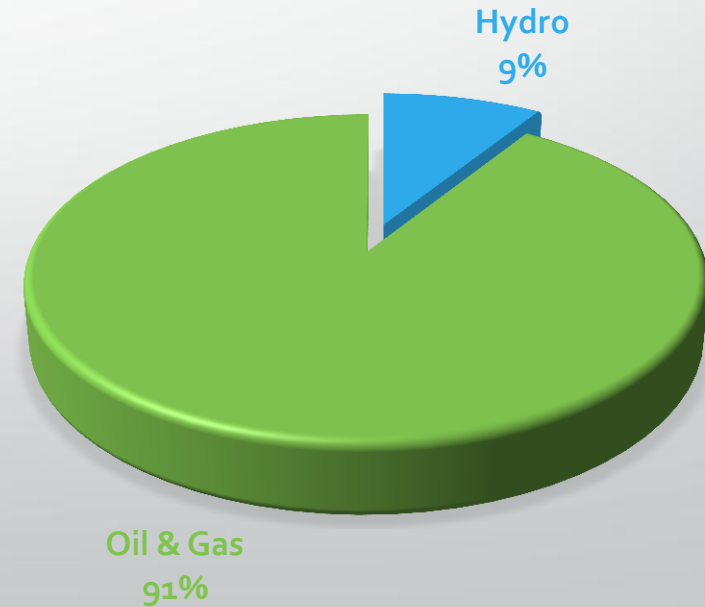


Power Generation Mix (Egypt Vs World)

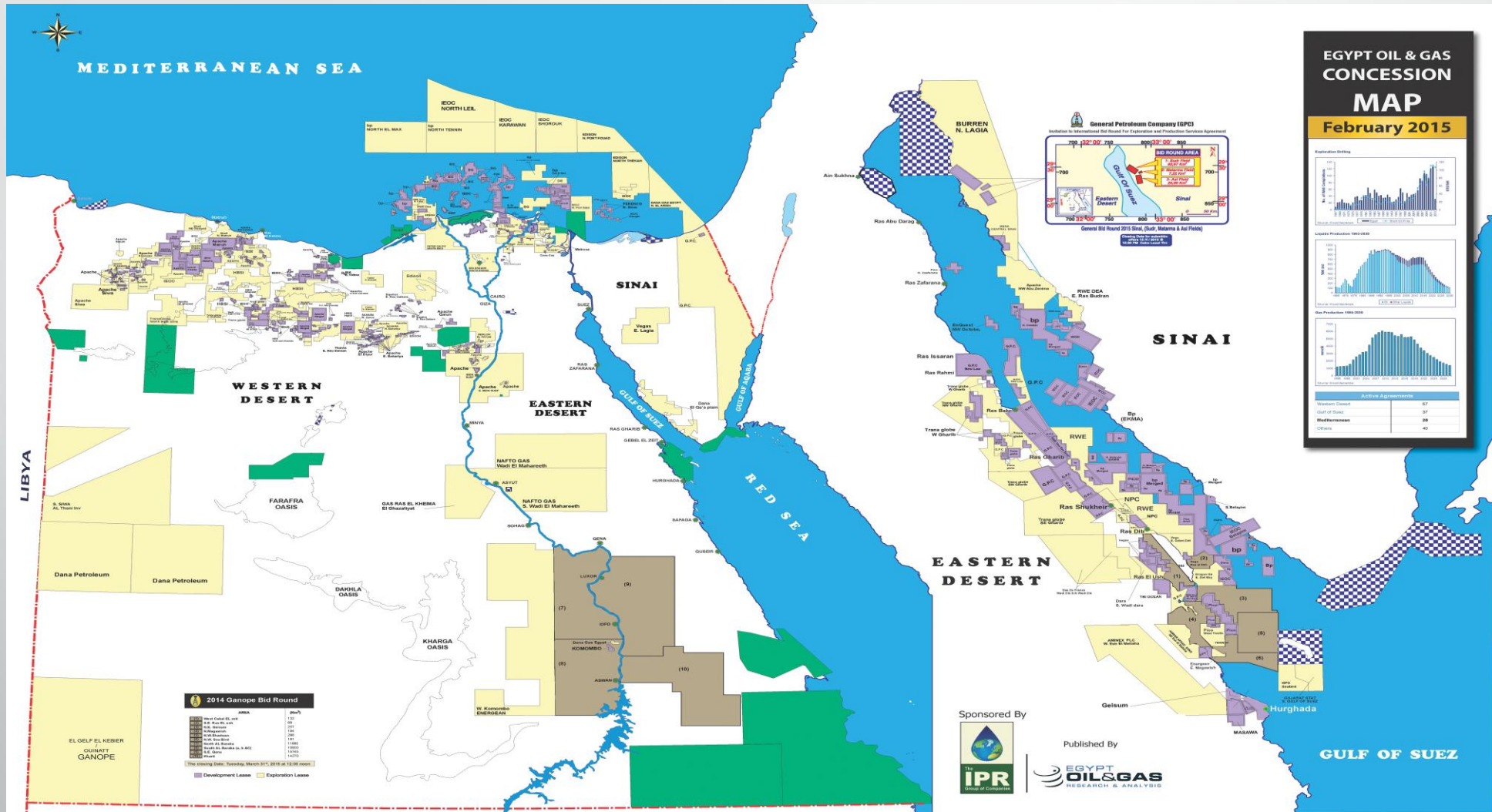
World



Egypt



Concession Map Feb 2015



Latest Offshore Explorations

- On the west side of the Red Sea, Egypt explored successfully its territorial waters along its eastern coast and so far discovered 8 billion barrels of proven reserves.
- Another important gas discoveries in Egypt such as the North Damietta Offshore Concession in the East Nile Delta which is currently being drilled using the 6th generation semi-submersible rigs and the estimated potential in the concession exceeds 5 trillion cubic feet (tcf) and we now have a positive starting point for the next possible major projects in Egypt

Latest Offshore Explorations

- State oil company Saudi Aramco has announced \$25 billion of capital expenditure to develop oil and gas reserves lying in deep water in the Red Sea, following the discovery of the Ahmar-1 field of non-associated gas approximately 24 kilometers north-west of Duba in the Tabuk Province on the west coast of the Kingdom



Major Shipyards In Red Sea Area

There are only Two main Shipyards in the red sea Which are :-

1. SUEZ Shipyard
2. JEDDAH Shipyard



Major Shipyards In Mediterranean

There are only Two main Shipyards in the Egypt Which are :-

1. ALEXANDRIA Shipyard
2. PORTSAID Shipyard



Major Egyptian Shipyards



Leading International Shipyards





Recommendations:

1. Building and preparing new Shipyards in the Red Sea area matching the international standards in order to increase serving the Offshore Oil & Gas Industry.
2. Develop & Expand the existing Egyptian shipyards in the Mediterranean & Red Sea.
3. Incorporate with the international leading shipyards.

Thank You For Your attention

