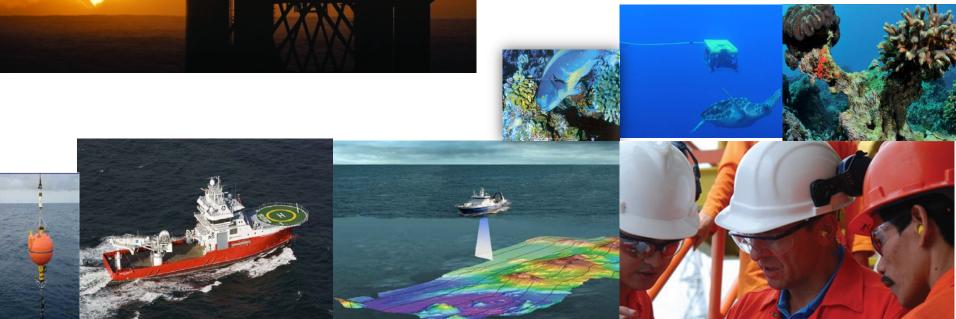






# OPASA Overview E Groenewald





The Offshore Petroleum Association of South Africa ("OPASA") is a member-funded representative body for the offshore upstream petroleum industry in South Africa. Membership in the Association is only open to companies that have applied for or hold permits, exploration or production rights offshore South Africa. The Association serves as a platform for members to engage on matters of common concern, including environmental compliance, health and safety, sustainability, legislative and regulatory proposals.







tower resources oil and gas exploration





bhpbilliton resourcing the future









**E**xonMobil



21





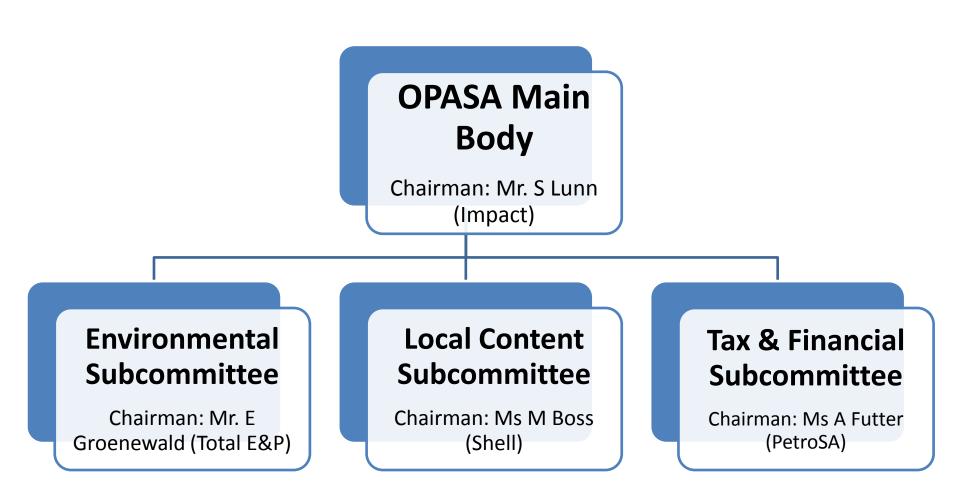






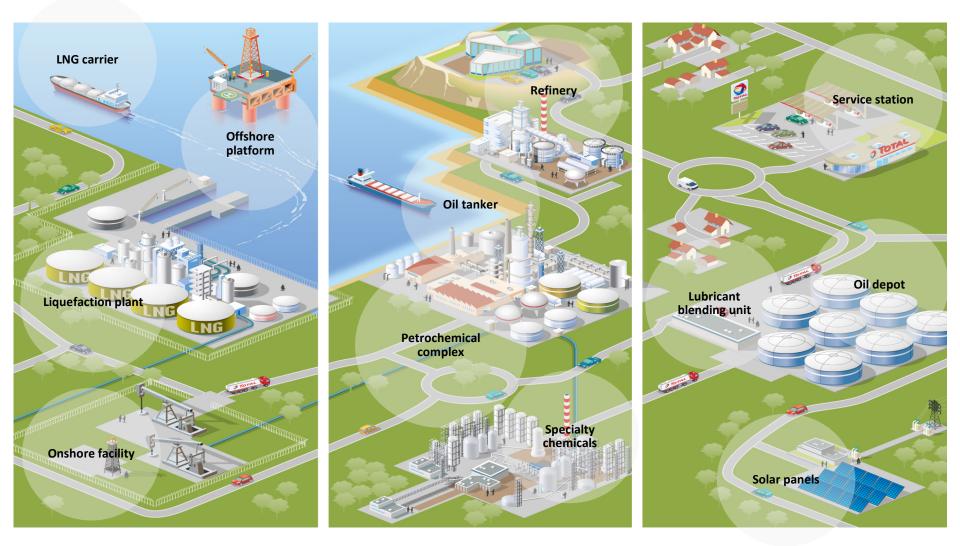
TOTAL

## **OPASA Structure**

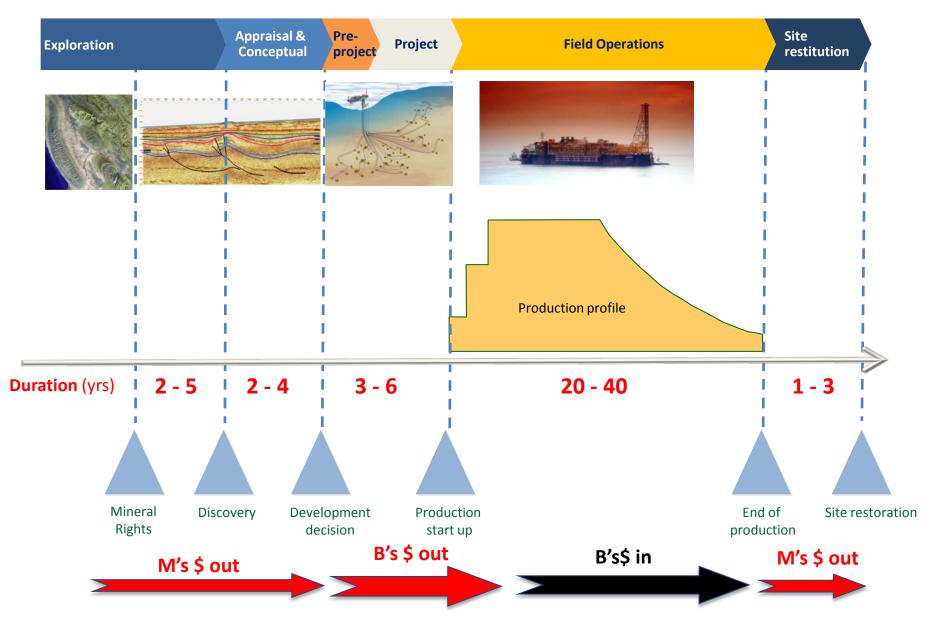


## **Overview of Oil & Gas**

Exploration & Production and Gas & Power Refining & Chemicals and Trading & Shipping Marketing & Services and New Energies

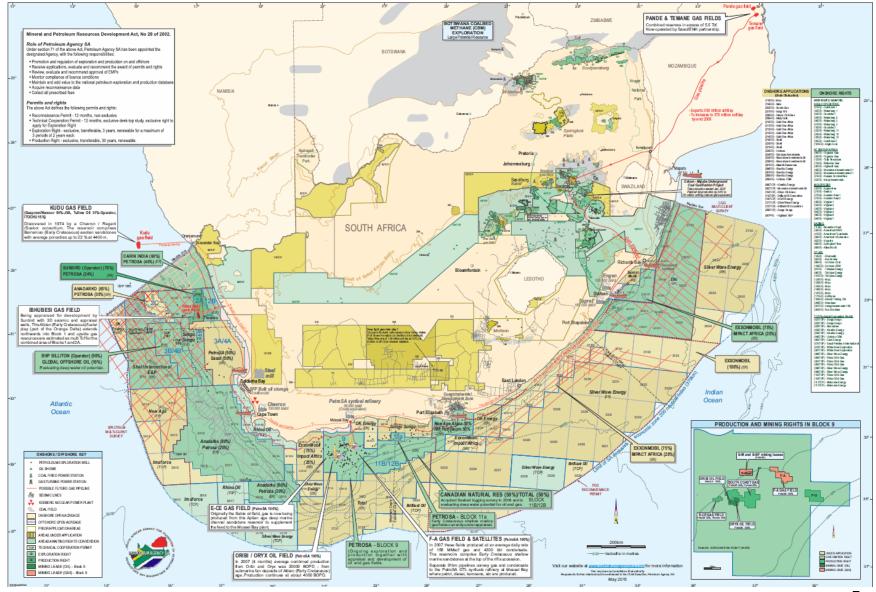


## EXPLORATION AND PRODUCTION PROCESS



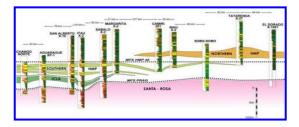
### **Operating Areas**

#### PETROLEUM EXPLORATION AND PRODUCTION ACTIVITIES IN SOUTH AFRICA

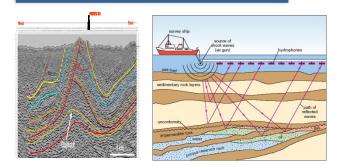


## Typical Offshore Data Acquisition Activities During Exploration

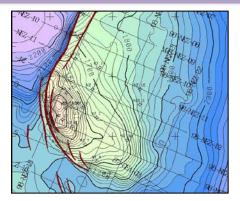
## Prospective basin data synthesis and field work



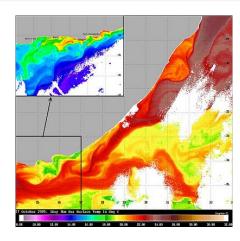
#### Seismic acquisition, processing and Interpretation



#### **Bathymetry Surveys**



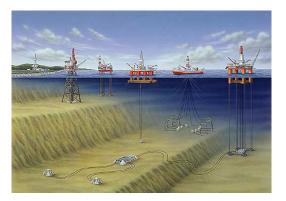
#### Met-Ocean Data Analyses



#### Environment Baseline Studies



## Exploration drilling, Logging & Coring



### **Typical offshore Equipment**

### **Drilling Vessels**



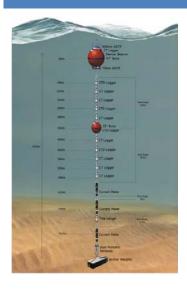
#### Support / Supply Vessels



#### ROV



### Met ocean Buoys



## Sampling





#### Personnel Transporters





#### Data Acquisition Vessels

