



Oilex Cambay Facilities

# OILEX IN INDIA



**RIU GOOD OIL CONFERENCE**  
**SEPTEMBER 2018**



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## Resource estimates

The resources assessment follows guidelines set forth by the Society of Petroleum Engineers - Petroleum Resource Management System. The Cambay Field resource estimates within this presentation are based on information and data contained within Oilex's market release dated 24 June 2016. Oilex confirms that it is not aware of new information or data that materially affects the information included in the market release dated 24 June 2016 and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.



# Oilex: Overview

## BOARD & MANAGEMENT

<b>Brad Lingo</b>	<i>Non-executive Chairman</i> Over 30 years of oil and gas leadership roles, a recognised innovator and catalyst for effective deals. A recognised “company repairer”. SMH/East Coles S&P/ASX 200 Energy Best CEO of the Year 2014.
<b>Joe Salomon</b>	<i>Managing Director</i> Over 30 years experience in the upstream industry in senior management and technical positions in small and large companies. Experience in the Indian oil and gas industry over 20 years.
<b>Paul Haywood</b>	<i>Non-executive Director</i> Over 14 years international experience in delivering value for his investment network through a blended skill-set of corporate and operational experience, including six years in the Middle East. Domiciled in the UK.
<b>Mark Bolton</b>	<i>Chief Financial Officer</i> Over 25 years experience in the resources sector. Specialist in financing resource projects internationally with extensive experience in debt and equity markets in a number of jurisdictions including ASX, AIM, LSE and TSX.
<b>Ashish Khare</b>	<i>Head of India Assets</i> Over 20 years experience in the petroleum Industry in upstream, midstream and downstream project implementation and operation. Very successful problem solver within Indian business. Worked for Indian companies including Reliance Petroleum, Enron and Cairn India.

- **ASX and AIM listed**
- **57.3% of shares held on AIM**
- **Market cap ~ \$8mm (Sept 5, 2018)**
- **Raised ~\$1.1 million dollars on 11 Sept 2018 for working capital**
- **Republic Investment Management Pte Ltd active major shareholder will move to 15.3% holder in OEX**





# Oilex: Leveraged to India Growth



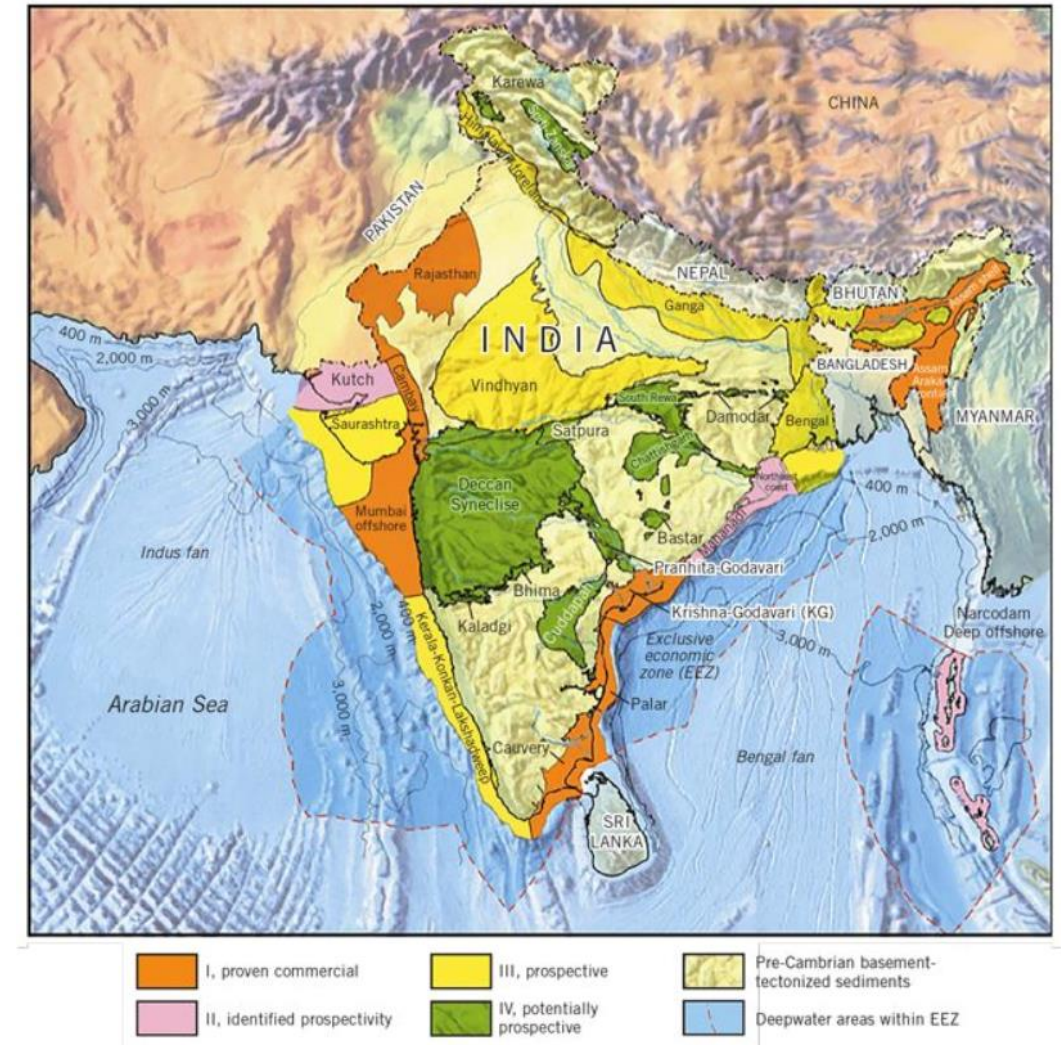


# Oilex & India

- Oilex is focused on Indian natural gas
- 10 years active operating experience in India
- One of a VERY small number of foreign companies operating in India
- Government of India strongly promoting growth of domestic gas production
- Asian gas price rebound strongly in 2017 and held steady in 2018
- Oilex actively seeking new projects to leverage growth in India energy demand
- Experienced, qualified, very strong Indian team - all Indian nationals



INDIA SEDIMENTARY BASINS



Source: DGH

# Oilex Cambay Project

- Multi TCF discovered gas resource in Cambay PSC - targeting initial development in 2019
- Adjacent to major national gas transmission infrastructure
- GoI approval of 10 year PSC extension received in 1Q 2018
- Resolution of JV partner issues is a key hurdle to re-commence activity at Cambay
- Event of Default Notice issued to partner GSPC by OEX in May 2018
- Significant activity program planned once JV partner issues resolved
- Drilling program to gather information on fluid (gas, oil, water) distribution and saturations and test optimal drilling, completions and stimulation technology
- Wells will be put on production





# Cambay Project Fundamentals

- Very large Eocene tight gas resource volumes potential (EP-IV)

## Contingent Resource for EP-III / IV (X / Y Zone) - 100%

Gas volume (bcf)			Condensate Volume (million bbl)		
1C	2C	3C	1C	2C	3C
478	926	1616	27	61	121

Table shows gross 100% recoverable volumes contingent on but not limited to: re-instating plan for drilling of additional wells, partner approvals, funding approvals, securing extension of the PSC post September 2019

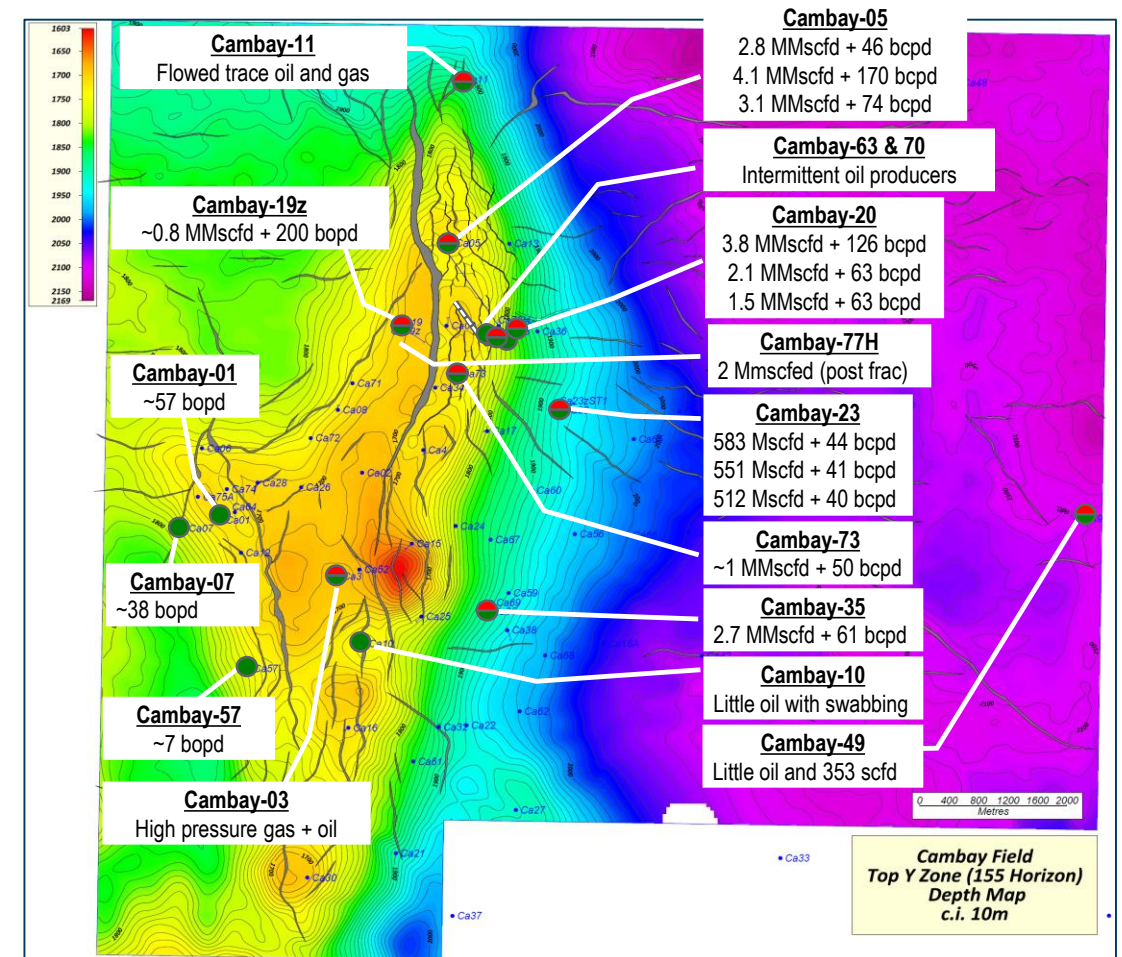
## Total Contingent and Prospective In Place Resources -100%

Total resource (gross)	Gas in Place (bcf)			
Region	P90	P50	P10	Mean
Y Total	1716	2519	3503	2573
X Total	919	1733	2944	1851
X and Y total	3141	4318	5806	4409

### Probabilistically combined

Oilex confirms that it is not aware of new information or data that materially affects the information included in the ASX announcement dated 24 June 2016 and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

- Historic EP-IV vertical wells flowed at strong rates on test unstimulated (see map)
- Two Oilex drilled EP-IV horizontal wells encountered hydrocarbons. Well C-76H failed related to operations. Well C-77H produces gas at low rates





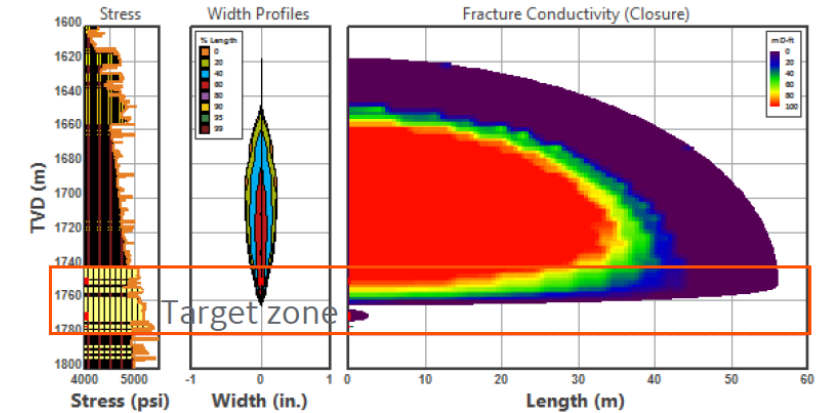
# Cambay Technical Verification

## ➤ RISC, Baker Hughes and FDP recent work provide:

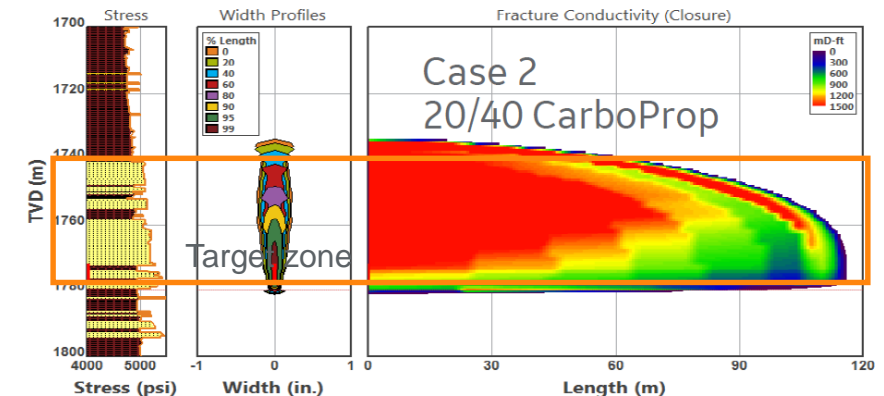
- Confirmation of potentially large gas resource
- Specific reasons for under-performance of historical stimulated wells
- Overall conclusion that there is no impediment to increased gas flow rates through fracture stimulation
- Optimal well and stimulation design for future development (all requirements available off the shelf)
- Phased field development programme building from possible workovers to vertical wells and then horizontal wells

## FRACTURE MODELLING EXAMPLES

Historical Vertical Well – fracture escaped vertically outside of reservoir target zone.



Optimised Model – longer lateral fracture within reservoir target zone



# Cambay Conceptual Development Target

## ➤ Phase 1

- » Phased expansion of surface facilities to 12mmcf/d for a projected aggregate cost of up to US\$10 million. Two vertical wells stimulation program based on recent study findings

## ➤ Phase 2

- » Phased expansion of surface facilities from 12 to 50mmcf/d for a projected aggregate cost of up to US\$40 million
- » Up to 50-60 wells period to achieve the plant capacity during PSC extension period (10 years)

## ➤ Beyond Phase 2

- » Phase 2 development recovers approx 150bcf with 6-8 million barrels condensate
- » Further exploitation of the larger resource will require additional capital expenditure and or government approval.

*Note: The above estimates are indicative in nature and are subject to the successful evaluation, development and financing of the Cambay EP-IV reservoir.*



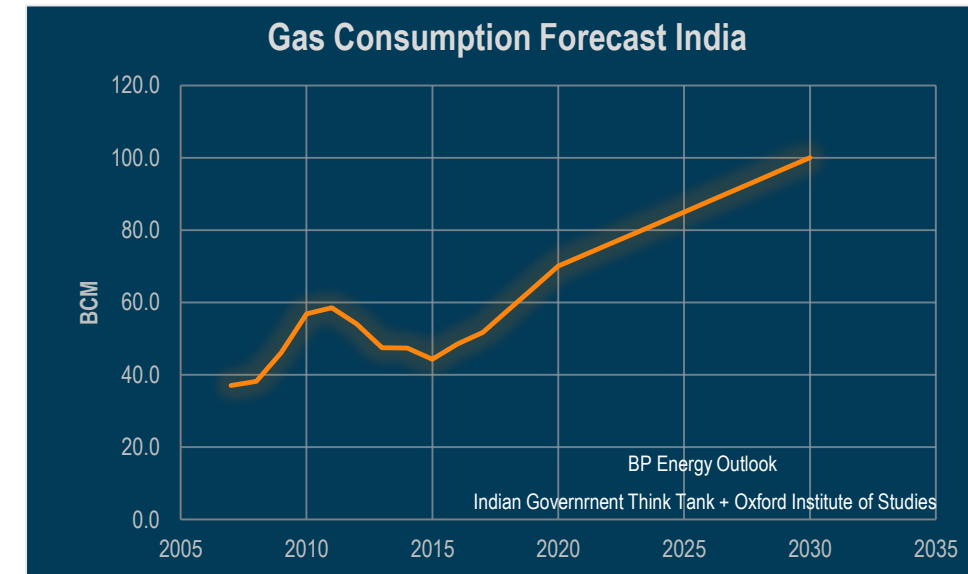
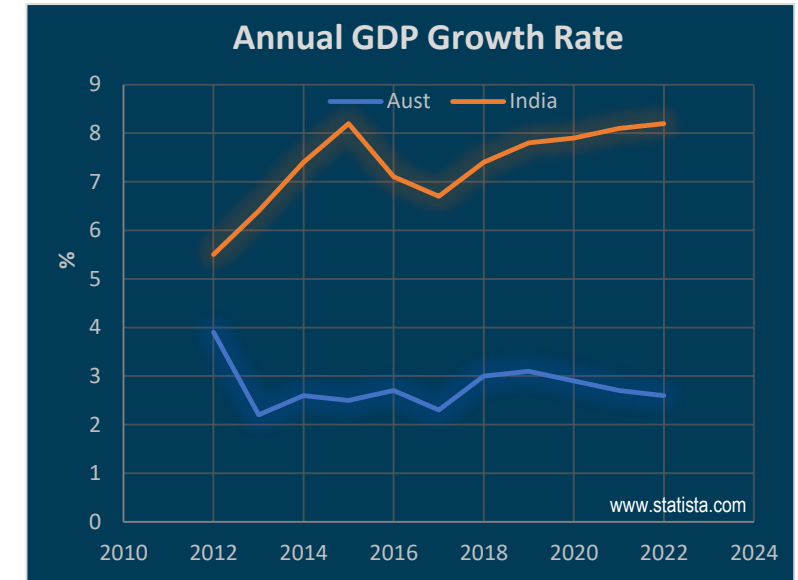


# INDIAN OIL & GAS FUNDAMENTALS



# India: Overview

- World's third largest petroleum consumer
- India fastest growing large economy by GDP at ~7%
- Government recognises criticality of energy supply: Oil and gas a key contributor to MAKE IN INDIA initiative
- Government proactively promoting oil and gas opportunities and foreign investment
- Domestic gas production declined and LNG imports increasing. Gas doubling its share of overall energy supply.
- India has proven oil reserves of 5 Bn BBL & proven gas reserves of 54 TCF





# India - Robust Energy Fundamentals

World's  
Fastest  
Growing  
Large  
Economy

Govt  
Policy  
Driving  
Reform

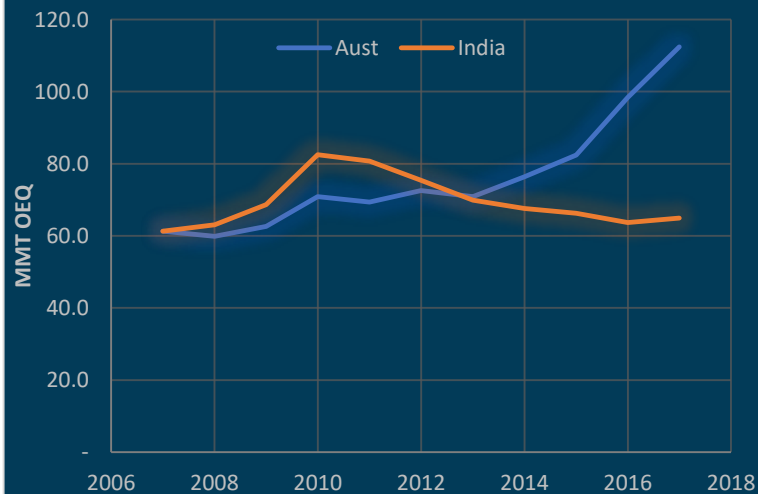
Oil & Gas  
Supply  
Deficit  
Increasing

Imports  
83% oil  
47% gas

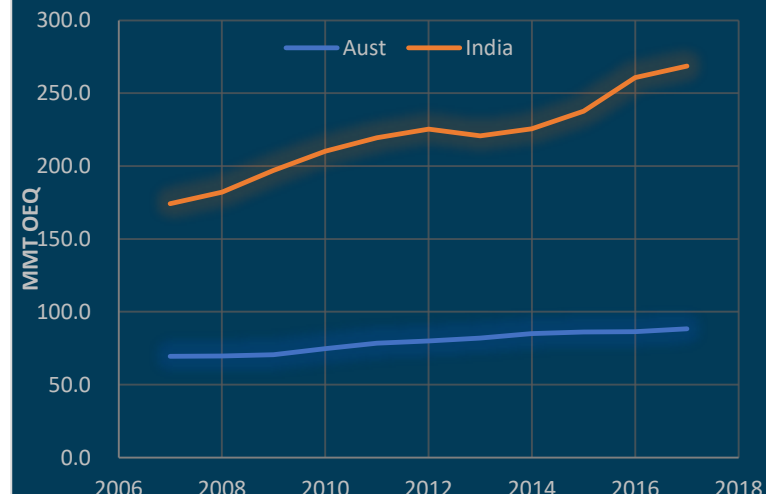
Tripling of  
LNG  
Imports by  
2025

Forecast  
2<sup>nd</sup> Largest  
LNG buyer  
after  
Japan

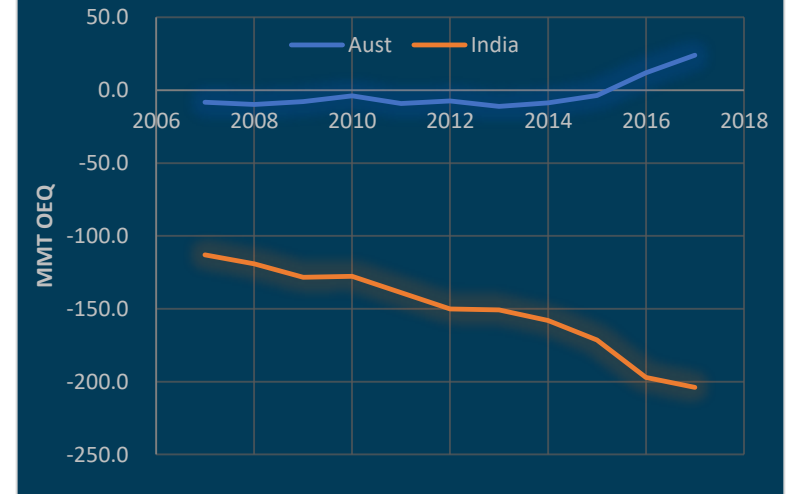
Oil & Gas Production



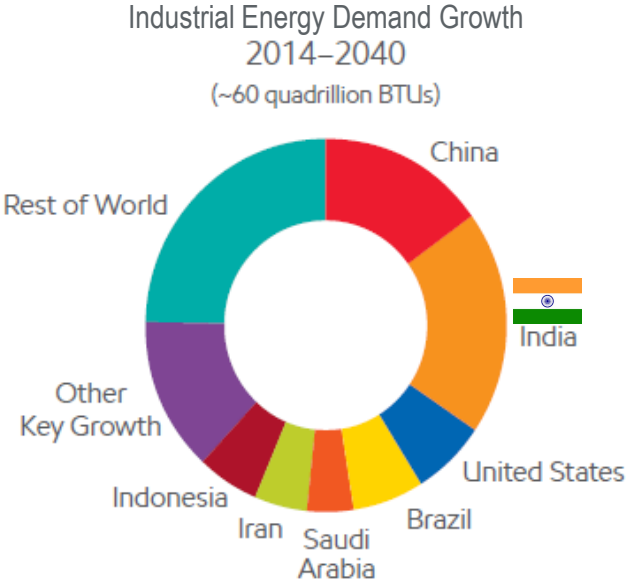
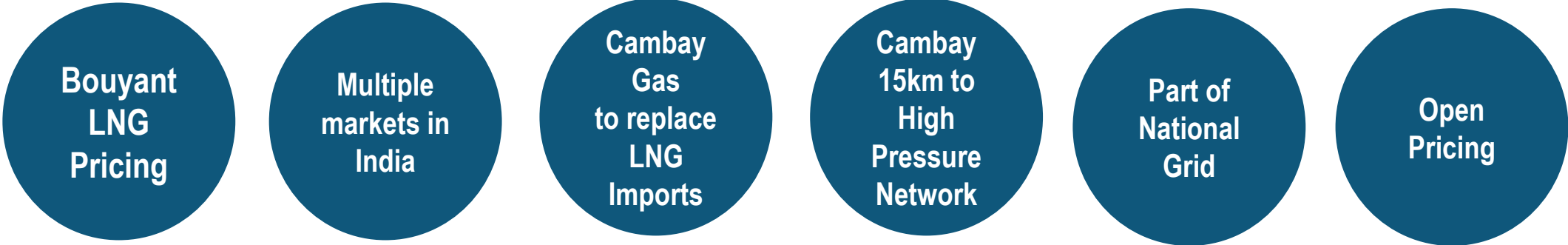
Oil & Gas Consumption



Oil & Gas Supply vs Demand



# India - LNG Prices Recover Strongly



Source: ExxonMobil the Outlook for Energy: A View to 2040



Spot Price for 2018 Delivery

- October \$11.40
- November \$12.15

Source: Livemint



# India: Government Initiatives

- Discovered Small Field Bid Rounds
  - Blocks recycled from National Oil Company holdings
- Bidding for exploration acreage opened up
  - Company nomination of exploration blocks
- Technology application and efficiencies needed
- Huge and growing market
- Good fiscal terms
- Open pricing
- Open door policy with regulator and Ministry
- Government bodies set up to facilitate foreign investment
- All economic growth indicators are positive





**An OIL and GAS Focused Company**

**Large Gas Resource – Multi-TCF**

**Accessing Booming  
Indian Energy Market**



**ASX : OEX**  
**AIM: OEX**  
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