

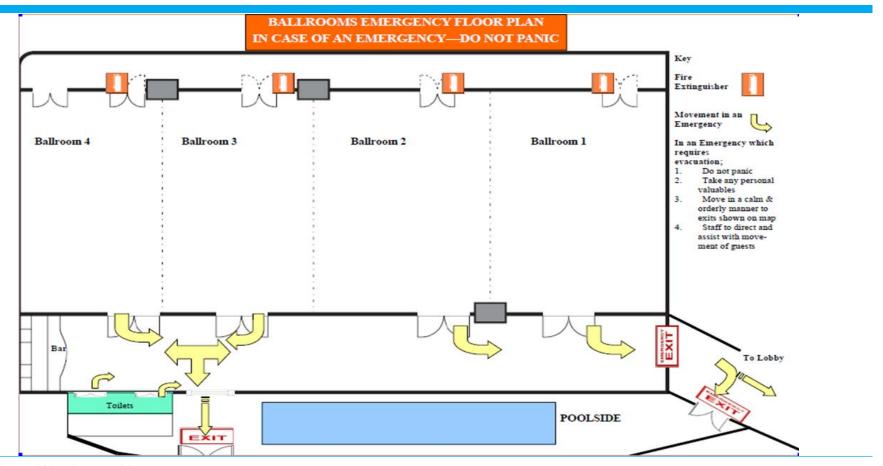
9.30am, Friday 19 May, 2017 | Crowne Plaza Hotel, Port Moresby, PNG

OIL SEARCH LIMITED | ARBN 055 079 868 | ASX: OSH | POMSoX: OSH | US ADR: OISHY

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## **Emergency Evacuation**



2017 Annual Meeting - 19 May 2017

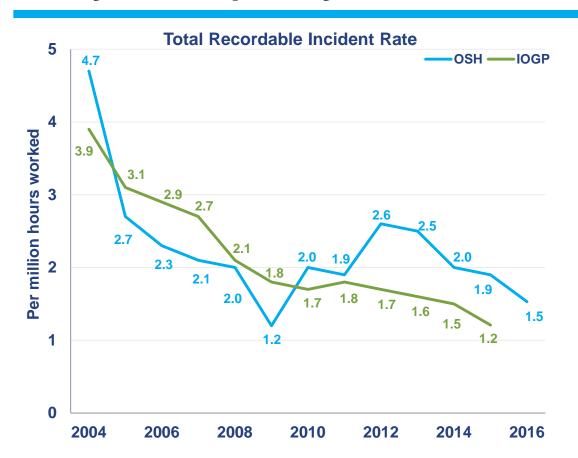


# Presentation by Managing Director

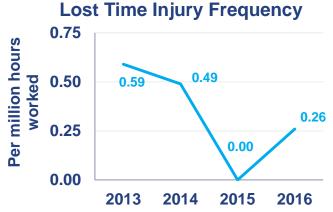
Peter Botten



### Safety: a core priority for Oil Search



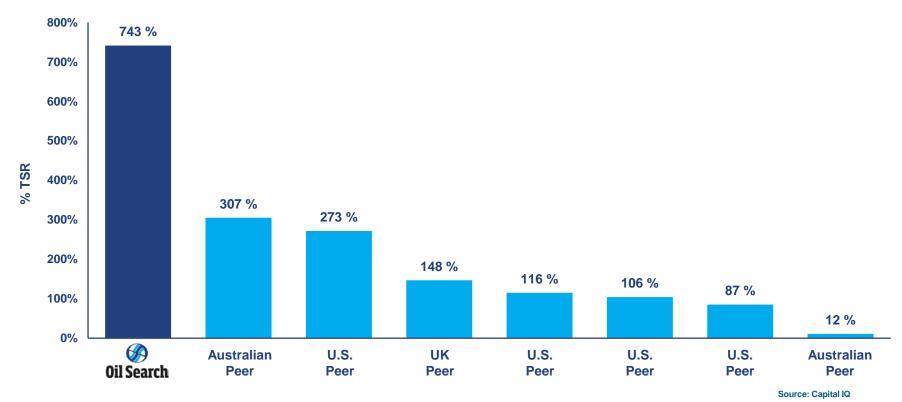




## Leading track record of long-term shareholder value creation

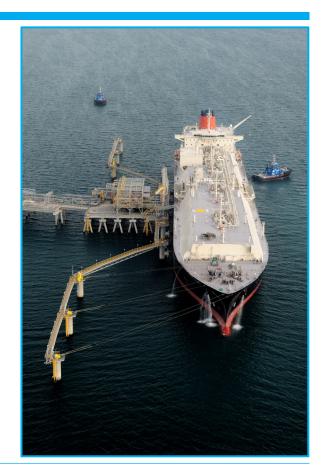




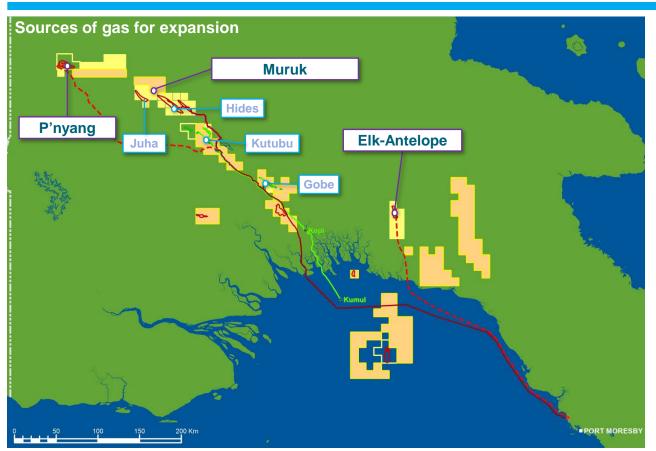


### Significant milestones achieved in 2016

- » PNG LNG production of 7.9 MTPA (8.3 MTPA in 1Q17, 20% above nameplate)
- » Major increase in OSH's PNG LNG Project reserves (1P up 50%, 2P up 12%) following independent certification:
  - Supports increased production rates and leaves discovered undeveloped resources at P'nyang and Elk-Antelope to support expansion
  - ExxonMobil commenced marketing up to 1.3 MTPA of additional PNG LNG volumes
- Increase in Elk-Antelope resource and completion of ExxonMobil acquisition of InterOil (Feb 2017):
  - 2C gas up 21%, to ~6.5 tcf
  - ExxonMobil's entry into PRL 15, very strong JV (OSH, Total, ExxonMobil)
  - JV discussions underway on optimal development plan
- Discovery of gas at Muruk. Potentially significant new gas field, reduces uncertainty of several leads and prospects on-trend



### LNG expansion – focus for 2017 and beyond



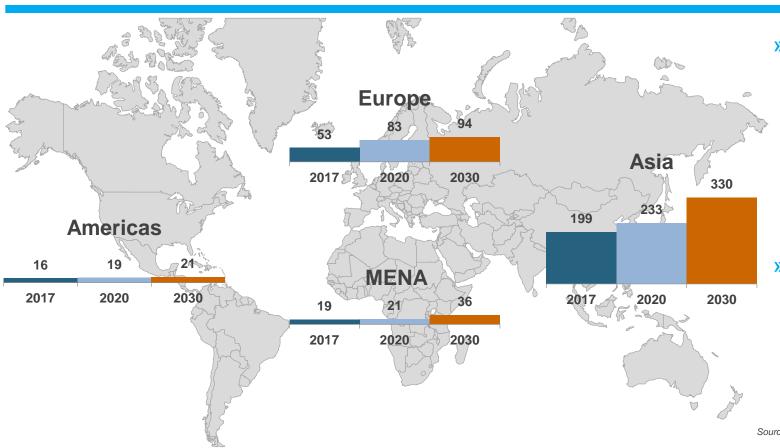
» ~10 tcf of discovered undeveloped gas in Elk-Antelope and P'nyang:

~ tcf	1C	2C
Elk-Antelope	5.2	6.5
P'nyang	1.1	3.5
Total	6.3	10.0

- » Sufficient to support two additional PNG LNGsized LNG trains
- » Subject to further appraisal, Muruk discovery could add to resource and increase future options

## Continued Asian LNG demand growth in medium – long term





- » Move to zero emissions environment driving greater use of gas as alternate fuel source
- » Asia remains fastest growing region key source of demand

Source: FGE Online Data System Units are MTPA of LNG

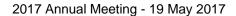
### PNG well placed to capture market opportunities

#### Long-term LNG market fundamentals are strong:

- Number of LNG importing countries / LNG buyers growing:
  - Traditional exporters in market as buyers for domestic requirements
  - New buyers: Thailand, Singapore, Bangladesh, Vietnam, Pakistan, Philippines, Egypt, Jordan
- ✓ Additional supply required to replace expiring contracts with Asian buyers (>45 MTPA from Japan, >20 MTPA from Korea between 2017-2026)
- ✓ LNG usage expanding (eg in merchant shipping)
- New technology incl FSRUs supporting demand growth, enabling faster delivery to markets

## LNG from PNG well positioned to capture market opportunities:

- Continued exceptional performance from PNG LNG Project
- Additional PNG LNG volumes being marketed following recertification
- √ 10+ tcf undeveloped resources with overlapping ownership interests
- Co-operation between PNG LNG, P'nyang and Elk-Antelope will result in competitive brownfield integrated development

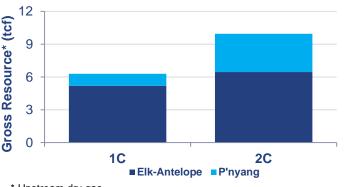


## >10 tcf undeveloped gas resources at P'nyang and Elk-Antelope



- » Following 2016 appraisal programme, gross 2C contingent resource at Elk-Antelope increased to ~6.5 tcf (up from 5.3 tcf previously booked), with 1C of >5 tcf
- » Final appraisal well, Antelope 7/7ST1 completed in Feb '17. No change to resource numbers
- » Five-year extension of PRL 15 licence granted in Dec'16:
  - Terms of licence extension stipulate completion of pre-FEED and FEED by end 2018
- P'nyang South 2 well scheduled to be drilled in 2H17, contracting for well pad construction underway:
  - Aim to move 2C contingent resource into 1C category (currently ~1.1 tcf), with potential to add to existing 2C of 3.5 tcf
  - Resource certification to follow well completion
- Sufficient resources to underpin two PNG LNG-sized trains



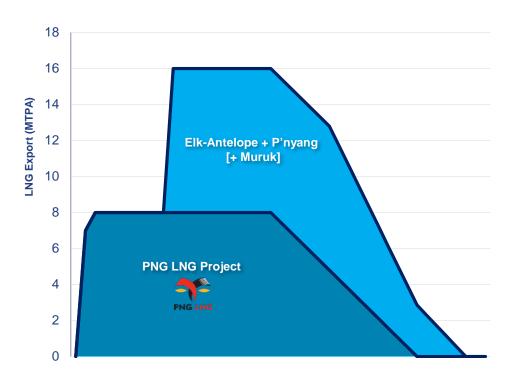


\* Upstream dry gas

## Major cost savings from cooperative LNG expansion



- » Discussions on LNG expansion underway between ExxonMobil, Total and Oil Search
- » Oil Search, partners and Government have confirmed intent to pursue coordinated development
- Targeting alignment on commercial model in 2H17, when Oil Search and partners intend to present development concept to newly elected government
- » Significant cost benefits of LNG expansion integration:
  - Potential downstream capex savings of US\$2-3bn and opex savings of US\$125m pa
- » Maintains two major operators in PNG



## Opportunities for sharing at PNG LNG plant site



### Gas commercialisation activities in 2017



#### 2017 work streams to progress timely co-operative development

#### **Elk-Antelope**

Completion of Antelope 7ST1 (done)

ExxonMobil entry into PRL 15 (done)

#### P'nyang

P'nyang South 2 pad construction commenced April 2017

Target P'nyang South 2 in 2H17 (after wet season) and recertification

Integration technical study and commercial discussions between JVs and PNG LNG to deliver binding agreements

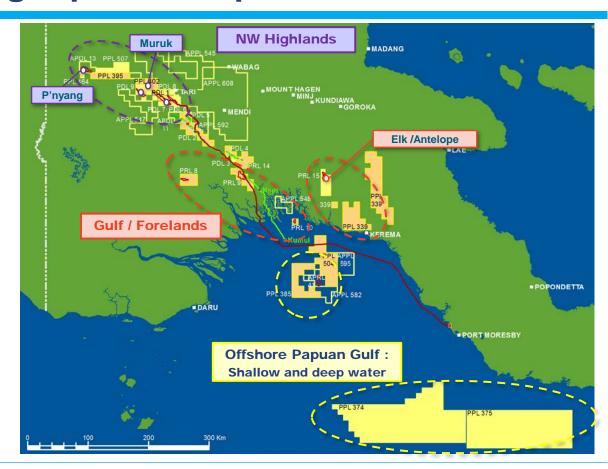
Concept Select and commencement of upstream and downstream pre-FEED before YE 2017

Gas Agreement discussions to commence before YE 2017

#### **FEED 2018**

### Significant remaining exploration upside in PNG

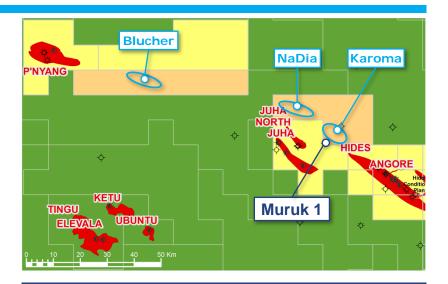
- » PNG-wide prospectivity review completed in 2016:
  - Estimate that >7bn boe is yet to be found, with >90% gas
- » Materially expanding PNG acreage:
  - Three key areas NW Highlands, Gulf/Forelands, offshore Gulf
  - Focus on gas expansion and delineating remaining oil
  - Strong portfolio, including several game changers



## Material gas potential at Muruk and along Hides-P'nyang trend



- Sas discovered at OSH-operated Muruk well in Dec '16
- » Muruk 1ST3 well successfully drilled through Toro reservoir in May '17:
  - Entire Toro gas saturated, reservoir similar to Hides
  - No gas:water contact penetrated
  - Production tests will assess deliverability and flow rates
  - Evaluation of data from Muruk drilling programme will assist in designing potential appraisal programme in 2018
- Favourably located (~21km NW of Hides)
- » De-risks exploration leads and prospects along trend between Hides and P'nyang:
  - Combined unrisked potential mean resources of 4-6 tcf
  - Targets to be confirmed by seismic in 2017 for drilling in 2018+



Muruk and other prospects offer potential upside to 2C resource in Elk-Antelope and P'nyang

## Small scale LNG (ssLNG)

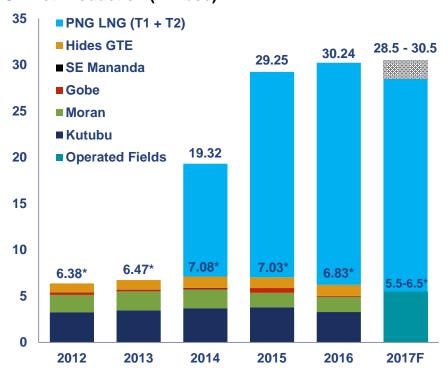


- Opportunity exists to commercialise smaller undeveloped gas resources from Gulf, Western and Highlands Provinces through smaller scale LNG development (0.5 – 1.5 MTPA)
- Likely to require combination of in-country and regional end users:
  - Potential for supply to capture fuel requirements for mines and east coast of PNG
  - Regional LNG supply prospects for power generation
- » Oil Search to appraise Barikewa and Kimu fields in 2017 and Uramu in 2018, to confirm resource base for potential ssLNG:
  - Partnering strategy to facilitate development



### 2017 production forecast at 28.5 – 30.5 mmboe

#### OSH Net Production (mmboe)<sup>1,2</sup>



- 1. LNG sales products at outlet of plant, post fuel, flare and shrinkage
- 2. Gas:oil conversion rate from 2014 onwards: 5,100 scf = 1 barrel of oil equivalent (prior 6,000 scf/boe)
- \* Oil Search operated production, including SE Gobe gas sales to PNG LNG Project

#### » 2017 production forecast similar to 2016:

- Further improvements from PNG LNG will offset decline from mature oil fields
- Forecasts include PNG LNG routine compressor maintenance planned for May'17 and Sep'17 and two week shutdown of oil fields for maintenance in May

#### » Beyond 2017:

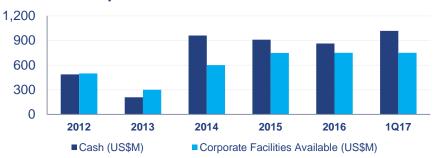
- Planning for Angore tie-in and HGCP modifications in 2018:
  - Production optimisation benefits in 2019 (~8.5 MTPA)
- Two new LNG expansion trains would result in >50% increase in OSH production

#### **Robust financial metrics**

- 2016 operating cash flow of >US\$550m or US\$18.15/boe
- Solid balance sheet. Cash of >US\$ 1 billion, available credit facilities of US\$750 million, liquidity of US\$1.77bn at end 1Q17
- Total debt of US\$3.94 billion, all relating to PNG LNG project finance facility:
  - » Mortgage-style repayment profile to 2026
- » Refinancing of US\$500 million corporate facility nearly complete:
  - Strong interest from bank market, facility to be expanded to US\$600 million.
  - » Improved terms



#### **Cash and Corporate Facilities available**



### **Social Responsibility**



- Operating and political stability essential for long-term sustainability
- Comprehensive strategy to manage current and emerging ESG risks
- » OSH recognised globally for its in-country sustainable development outcomes and managing local/community issues:
  - Provision of health services, women's empowerment and education, directly and through Oil Search Foundation
  - Partnerships on key infrastructure development on behalf of PNG Government, funded by Infrastructure Tax Credit Schemes
  - Capacity development of State enterprises and landowner companies
- » Provision of reliable, competitively priced power that can improve PNG's development and contribute to PNG emissions reduction targets, by reducing reliance on heavy fuel oil/diesel:
  - Markham Valley Biomass Project in FEED
  - Tari power grid
  - Small-scale LNG under consideration





### Summary – unprecedented platform for growth

- → 2016 Strategy Refresh highlighted potential to deliver top quartile returns for next 5 7 years.
- Delivery of LNG expansion, underpinned by development of Elk-Antelope and P'nyang gas fields, key to OSH's ongoing high-returning growth
- » Recent milestones establish strong platform to deliver:
  - Upgrade in PNG LNG Project reserves supports expanded capacity, additional marketing to 7.9 MTPA underway. World class project and infrastructure
  - Strong resource base with 10 tcf+ in P'nyang and Elk-Antelope available for expansion
  - Entry of ExxonMobil into PRL 15 has triggered cooperation discussions, strong support from all stakeholders
- » Building excellent exploration portfolio, complementary to gas commercialisation
- » ssLNG provides potential to commercialise smaller gas fields
- Comprehensive in-country community-based programmes, underwriting stable operations
- » Further organisational optimisation with succession planning
- Underpinned by solid financials



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2017 Annual Meeting - 19 May 2017



**2017 ANNUAL MEETING** | The power of partnership

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