# Planning for the SNE Field development

Company Update October 2019







### Table of contents

1. Introduction to FAR

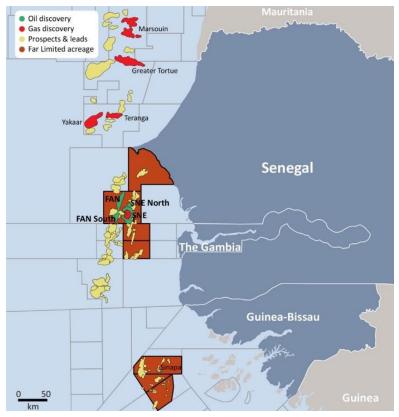
2. SNE development project

3. Summary





### Introduction to FAR



	Senegal SNE	The Gambia A2/A5	Guinea-Bissau 2/4A/5A
Туре	JV	JV	JV
Working interest	15.0% <sup>(1)</sup>	50%	21.4%
On/offshore	Offshore	Offshore	Offshore
Operator	Woodside	FAR	Svenska
Status	Pre-Development	Exploration	Exploration



Market data <sup>(2)</sup>	<b>A</b> \$	US\$
Share Price	\$ 0.052	\$ 0.036
Market capitalisation	\$326.6M	\$223.1M
Cash	\$39.4M	\$26.9M
Debt	NIL	NIL
Enterprise value	\$287.2M	\$196.2M

- FAR Limited (ASX:FAR) is an Australian independent,
   Africa focused, oil and gas exploration and development
   company with core assets off the coast of Senegal and
   The Gambia
- Contingent on project delivery, FAR will be one of largest ASX-listed oil producers by 2023
- Focus area: Mauritania, Senegal, Guinea-Bissau, Conakry (MSGBC) Basin
- Development asset: SNE Oil field, FID end 2019, gross production of 100,000 bbls/day end 2022
- Upside value: 2020 exploration drilling in Gambia and Guinea-Bissau

# Investment highlights



Developing the world class SNE oil field in Senegal, the largest global hydrocarbon discovery in 2014



SNE is a phased oil development targeting up to 100,000 bpd (gross), with the potential to transform FAR from explorer to material producer by 2023



SNE characterised by robust project economics underpinned by attractive fiscal terms and experienced offshore operator



Broader portfolio of highly prospective exploration opportunities in Africa offering material longer term upside



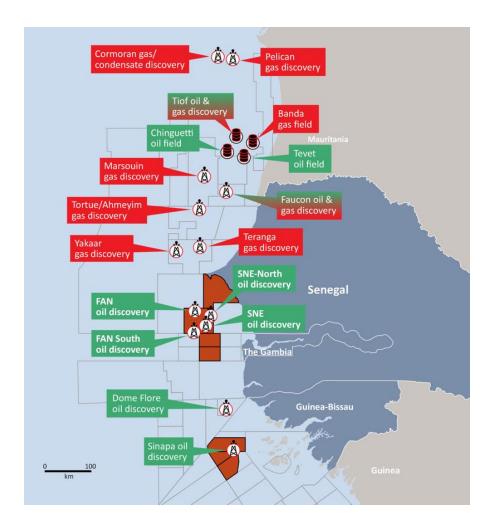
Experienced board and management team with significant in-country expertise and track record of success

# Developing the world class SNE oil discovery

FAR made the world-class SNE oil discovery in Senegal in 2014 and has since grown to be one of the largest holders of offshore acreage in the MSGBC Basin

- Largest global hydrocarbon discovery in 2014
- Significant resource base of ~5 billion bbl of oil in place
- 2C resources in excess of ~640 <sup>(1)</sup> mmbbl gross (FAR 13.7%) <sup>(2)</sup>
- Short development timeline to first oil
- Well known and de-risked subsurface, 8 wells into field
- Extensive seismic coverage and several analogue fields
- Phased development strategy
- Experienced operator in Woodside Energy

Developing SNE would transition FAR to a material production company by 2023



# Phased oil development targets 100,000 bpd<sup>(1)</sup>

FAR made the world-class SNE oil discovery in Senegal in 2014 and has since grown to be one of the largest holders of offshore acreage in the MSGBC Basin

#### SNE is utilising a conventional development concept

- 23 subsea production and injection wells in Phase 1, tied back to standard FPSO
- Contracts awarded for subsea (to Subsea Integration Alliance – Subsea7 + OneSubsea) and drilling (to Diamond Offshore) with FPSO contract pending (to MODEC)
- FEED completed, with FID expected year-end 2019 and first oil by the end of 2022

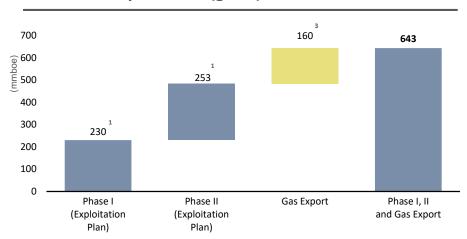
# Phased development strategy to reduce execution risk and upfront capital requirements

- Phase 1 targeting 230 <sup>(1)</sup> mmbbl oil and peak production of 100,000 bpd (gross), or 13,670 bpd net to FAR
- Phase 2 targeting a further 253 <sup>(1)</sup> mmbbl oil and extending the production plateau to between 60,000-80,000 bpd (gross)
- Phase 2 expected to comprise a further 16 production wells and 17 injectors

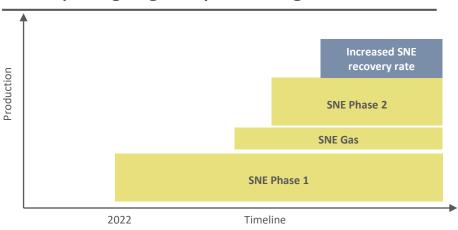
### Phase 1 & 2 recovery rate considered conservative at 13% of STOIIP

- Refer slide 21

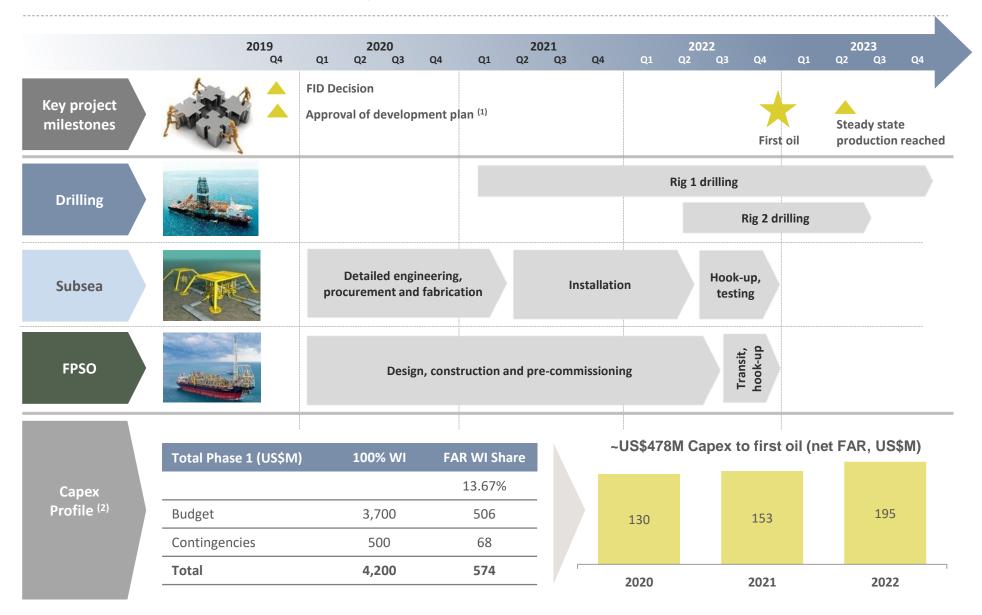
#### P50 resource position<sup>(2)</sup> (gross)...



#### ...underpinning long term production growth

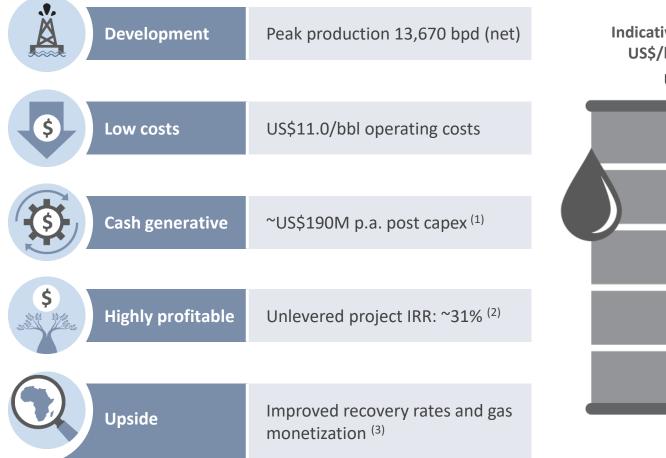


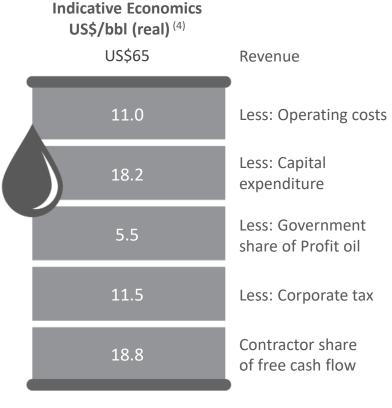
## ... with short development timeline



### SNE delivers robust economics and cash flow

Brent oil price break-even of ~US\$33/bbl (life of field) and ~US\$22/bbl (from first oil)





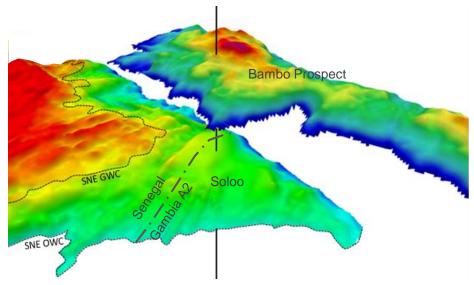
<sup>1.</sup> Average estimated cash flow after tax and capital costs for initial three years of production (net to FAR), 2. Project IRR, pre-tax and assuming US\$65/bbl flat real, 3. Gas monetisation subject to JV FID decisions, 4. Indicative economics are pre-financing costs with Contractor FCF based on production of the full-field estimate of 483 mmbbl (P50), US\$65/bbl flat real, refer slide16 for fiscal terms.

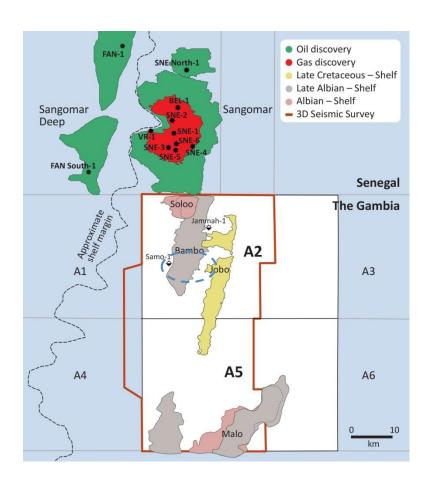
Source: FAR financial model

### Beyond Senegal, highly prospective exploration portfolio ...

#### Highly prospective licences in The Gambia, adjacent to the SNE oil field

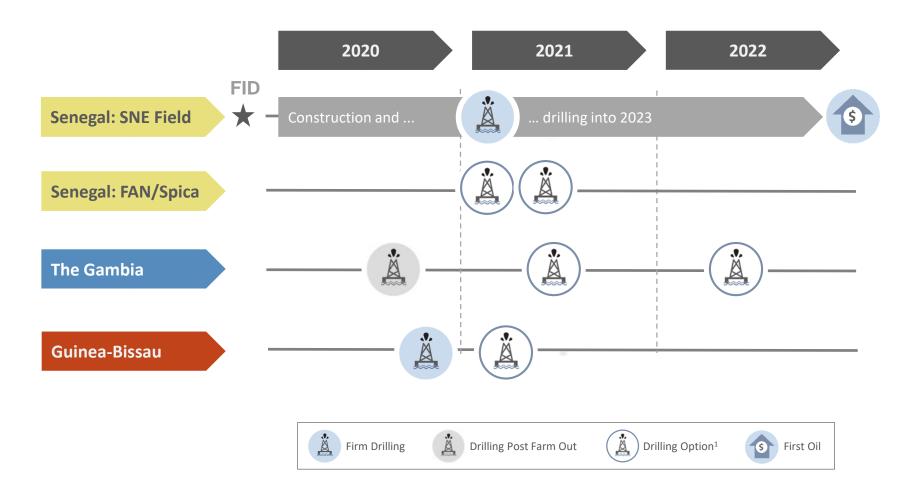
- The target reservoirs of Soloo and Bambo were hydrocarbon bearing in the SNE wells
- The Soloo prospect, the extension of the SNE field into The Gambia, has resource potential of 152 mmbbls (1)
- The Bambo prospect has resource potential of 454 mmbbls (1) and is directly updip (and on a migration pathway) from the Samo-1 well which showed evidence of oil migration
- One well can be located to drill both the Soloo and Bambo prospects concurrently





# ... underpins production growth potential beyond SNE

FAR will continue an active exploration program during SNE development, targeting additional production and resource opportunities. Gambia and Guinea-Bissau complement this growth trajectory



### Experienced Board ...

FAR has a board with extensive experience in oil and gas and the development of large scale projects in emerging markets such as Senegal



**Nic Limb** *Chairman* 

A professional geophysicist and also has extensive experience as a stockbroker and merchant banker. Nic was formerly executive chairman of Mineral Deposits Limited that had mining projects in Senegal and brings his in-country experience to FAR.



**Cath Norman** *Managing Director* 

A professional geophysicist with 30 years' experience in the mineral and oil & gas exploration industry. Managing Director of FAR since 2011 and held the position through the farmout, discovery and appraisal of the Senegal assts.



**Tim Woodall** *Executive Director* 

Over 30 years' experience in international M&A and finance, specialising in oil and gas sector. Founder and Managing Director of a boutique advisory firm, the CEO of a technical consulting firm and senior roles in New York and London with global investment banks.



**Reg Nelson** *Non-Exec Director* 

Reg is one of Australia's petroleum industry's most significant figures. He is best known as having served as Managing Director of Beach Energy Limited for 13 years. Reg is also currently chairman of Vintage Energy Limited.



Julian Fowles
Non-Exec Director

Over 30 year's experience across many operating environments and regimes, including 17 years with Shell and most recently senior executive with Oil Search Limited, leading the PNG operated and non-operated oil and LNG production and development businesses.

# ... and senior management, technical team

FAR has established a highly competent technical team for the SNE project, having originally identified the SNE prospect and now resourced to assist with development and financing of the project



**Cath Norman** *Managing Director* 

A professional geophysicist with 30 years' experience in the mineral and oil & gas exploration industry. Managing Director of FAR since 2011 and held the position through the farmout, discovery and appraisal of the Senegal assts.



**Peter Thiessen** *Chief Financial Officer* 

Chartered Accountant with over sixteen years' experience. He independently contracted to the mining and exploration industry for 5 years and prior to that held senior positions at two Global Chartered Accounting firms Deloitte and BDO.



**Tim Woodall** *Director Commercial* 

Over 30 years' experience in international M&A and finance, specialising in oil and gas sector. Founder and Managing Director of a boutique advisory firm, the CEO of a technical consulting firm and senior roles in New York and London with global investment banks.



Bruno Delanoue
Chairman of West African
Operations

Extensive and long-term relationships in Senegal. Most recently the Chairman of the Grande Cote Operations in Senegal, combined with his functions as VP of the Senegalese Chamber of Mines and the Independent Foreign Trade Advisor of the French Government.



**Chris Carra** *SNE Project Director* 

Chris has over 30 years of offshore floating production experience, having held senior positions at BHP in both the project engineering and strategic planning areas in their petroleum division and, with AMOG Consulting, having worked on numerous projects for clients such as ConocoPhillips, Woodside, OMV, Santos, INPEX and Chevron.



**Ed Mason** *SNE Project Finance Advisor* 

20 years working for global investment banks such as Bank of America Merrill Lynch, HSBC, Renaissance Capital and more recently, Royal Bank of Canada in senior capital market roles focused on the natural resources sector. Five years as a technical project manager for Fluor Corp in mining.

### Table of contents

1. Introduction to FAR

2. SNE development project

3. Summary





### Senegal overview

#### Senegal background

- Senegal was a French colony before the country gained independence in 1960
- Senegal has one of the fastest growing economies in Africa with GDP growth in 2018 of 6.8% led by mining, construction, tourism, fisheries and agriculture.
- President Macky Sall implemented a 2030 Emerging Senegal Plan to increase economic growth. Large infrastructure projects include the Thiès-Touba Highway, new international airport and railway and upgrades to energy infrastructure
- A new petroleum code was implemented in 2019 to support increasing domestic oil production

Senegal statistics		
Capital	Dakar	
Government type	Presidential Democratic Republic	
President	Macky Sall	
Political party	Alliance for the Republic	
Term	5 years (last election Feb 19)	
Nominal GDP	USD 24 billion <sup>(1)</sup>	
GDP growth	6.8% (1)	
Population	15.9 million <sup>(1)</sup>	
Credit rating	B+ (S&P) / Ba3 (Moody's)	

#### Resource companies operating in Senegal

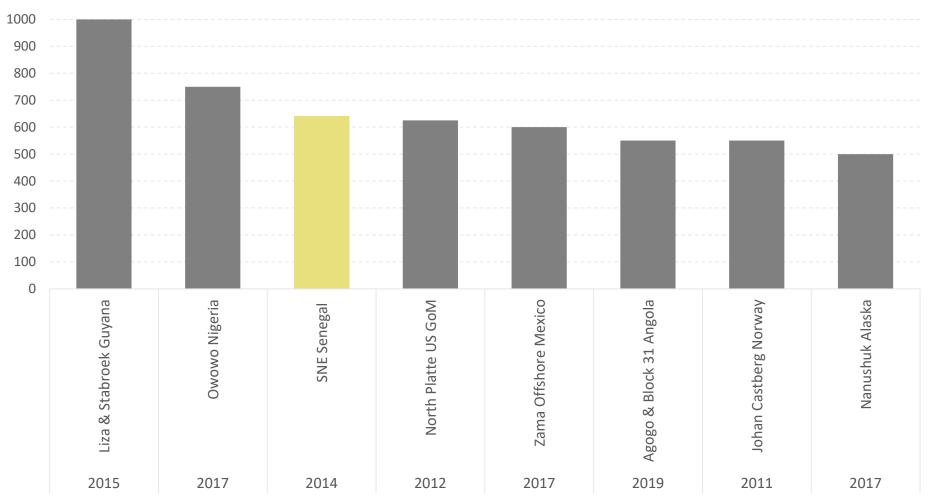
Company name	Market Cap	Commodity	Overview
Woodside	USD 21 bn <sup>(2)</sup>	Oil & gas	Developing Phase 1 of the US4.3bn (gross) SNE oil project. First oil is scheduled YE 2022. Forecasted gross production of 100,000 bpd
bp 🎇	USD 134 bn <sup>(2)</sup>	Oil & gas	Developing the Greater Tortue Ahmeyim gas project which is forecast to produce 2.5mt of LNG per annum with first gas expected in 2022
егамет	USD 1.4 bn <sup>(2)</sup>	Mineral sands	Operates the Grande Côte mineral sands mine that produces ~750kt of Heavy Mineral Concentrates per annum
Resolute 🔽	USD 808 m <sup>(2)</sup>	Gold	Operates the Mako gold mine which produces 160koz of gold per annum

1. In 2018 (World Bank), 2. FactSet as at 25 October 2019

### SNE is a world class conventional oil field

#### SNE is one of the largest conventional oil discoveries of the last ten years

#### Offshore Oil & Gas Discoveries Since 2010 (2C mmbbls)



Source: AAPG, Woodmac and Press Reports

15

### Attractive fiscal terms

#### **Key features**

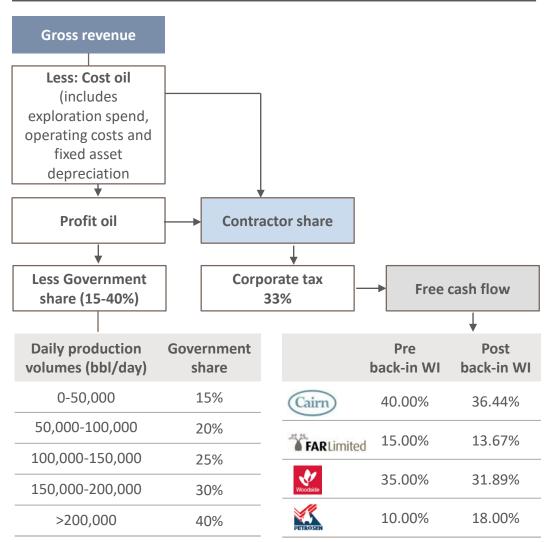
#### **Production sharing schematic**

Attractive fiscal & regulatory regime

Accelerated cost recovery provides immediate CF to FAR

Supports funding of investment phase

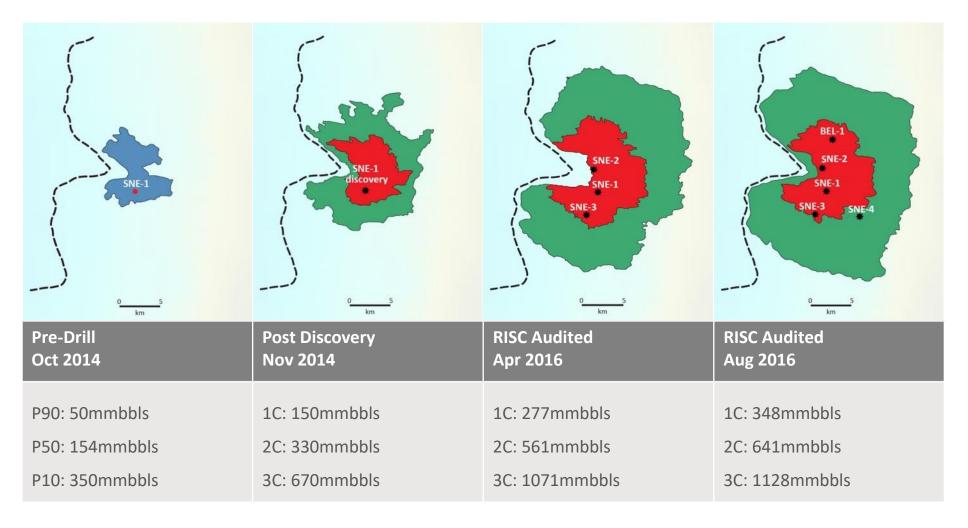
Full cycle attractive by global standards



1. Source: FAR financial model

16

### Growth of the SNE resources



<sup>\*</sup>Reference FAR ASX releases dated 23 August 2016, 13 April 2016, 20 Nov 2014: unrisked gross, recoverable, 2C contingent resource
RISC is an independent technical expert that reviewed and modified a probabilistic resource evaluation carried out by FAR in accordance with industry standard SPE-PRMS definitions

# A conventional oil field with low development risk

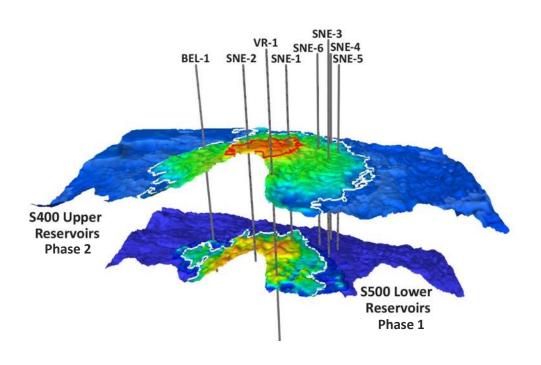
#### The SNE discovery is 100km south of Dakar and defined by two reservoirs, S400 and S500

- Water depth between 800m and 1,100m
- Benign offshore conditions

#### **SNE Field Location**

### Oil discovery Gas discovery Senegal Late Cretaceous – Shelf Late Albian – Shelf Albian – Basin Albian - Shelf Rufisque — Sangomar 3D seismic - RSSD 3D seismic Development area Sangomar Deep

#### **SNE Reservoir Profile**



### Well understood and de-risked subsurface ...

#### Benefitting from a world class data set

- Extensive coverage of modern seismic data across the entire SNE field area, with recent reprocessing providing further image improvement
- New high definition 3D seismic survey is currently being acquired to be used for placing development wells optimally within the reservoirs
- 8 well appraisal campaign, providing substantial well data, cores and successful production tests across reservoirs units, confirming connectivity and exhibiting (constrained) flow rates up to 8,000 bpd

#### Reservoirs fall within the broader category of deep water turbidites

 Many analogues exist for deep water turbidites in West Africa and Brazil, most of which have very good recovery factors

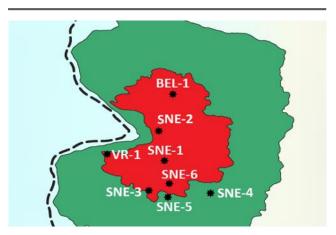
#### Significant resource base of ~5 billion bbl of oil in place

- Allows the Phase 1 development to target the best quality reservoirs to deliver high production rates early.
- Later phases will incrementally develop the remaining areas

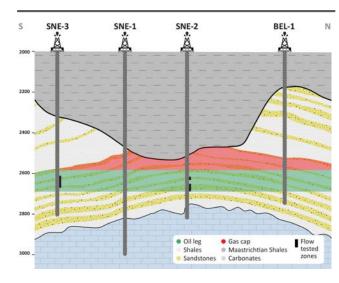
#### First oil targeting the lower risk reservoir sections

Risk is considered lower than typical oil field developments

#### **Field Layout**



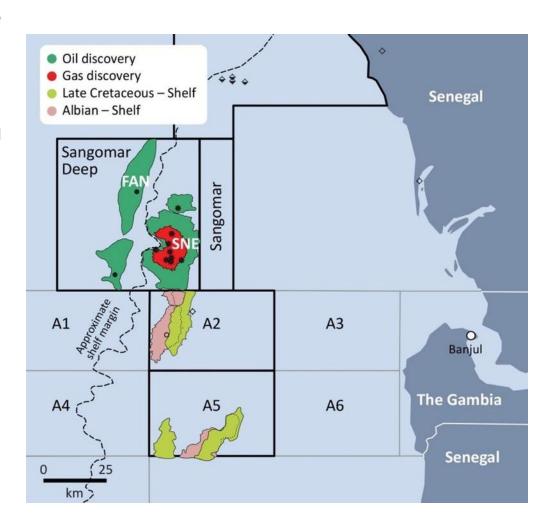
#### **Cross Section of Wells**



## .... with material upside value potential

# SNE provides FAR with material value upside opportunities beyond the current planned phases of development, including our assessment of:

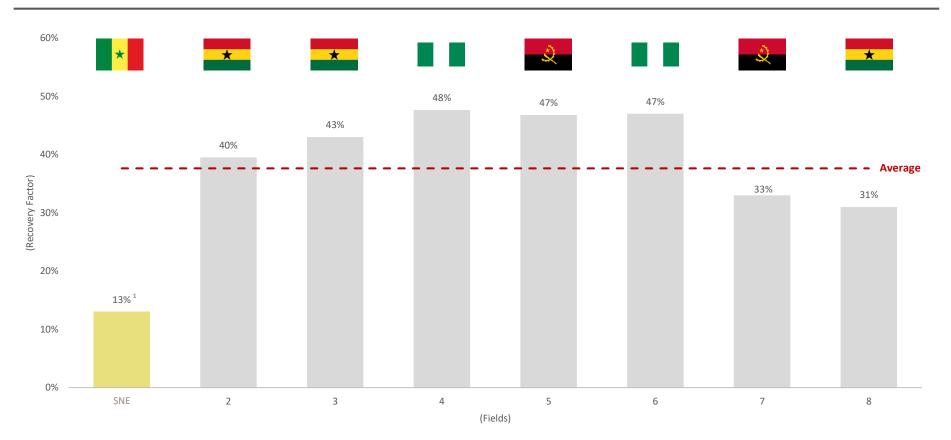
- Higher recovery rates than the currently assumed rate of 13% of oil initially in place (see next slide)
- Monetising gas resources within the SNE field subject to commercial offtake agreements, moderate capital expenditure and requisite approvals
- Appraisal drilling in 2021 for FAN or SNE-North/Spica discoveries



# Upside from improved recovery factors

Should SNE's recovery factor emulate analogue fields, increased recoverable reserves could be material

#### **Recovery Factors at Analogue West Africa Fields**



## SNE financing update

FAR has advanced funding options for its share of development capex with the sole focus to maximise total shareholder returns

#### Funding options being pursued include:

- A senior debt facility with binding, credit approved terms to be announced prior to FID. The recent JV
  decision to purchase, rather than lease, the FPSO facilitates a materially higher senior debt tranche than
  previously being contemplated.
- A junior debt facility via an offtake financing with an international oil trader (and investment grade credit rating).
- A placement of strategic equity, which would reduce or remove the residual public market equity funding requirement.
- Supplementary options involving either the divestment of a royalty interest or a modest component of FAR's working interest in the SNE project.

## Environment, social & governance

Over 25% of project incomes are recovered by Senegal in the form of government take and taxes<sup>1</sup> Thousands of jobs will be created for the people of Senegal directly benefiting the country and its people FAR is a strong advocate and supporter of ESG initiatives and diversity



#### **Environment**

- SNE development industry best practice
- Domestic production will allow
   Senegal to transition to cleaner
   fuel sources
- Replacement of imported crude oil will reduce CO<sub>2</sub> emissions by 50 thousand tonnes per year<sup>2</sup>



#### Social

- Investing in education & training, enterprise & community development programs
- Renovated a primary school in the regional city of Thiess
- Sponsored regional soccer competitions through provision of 200 balls and uniforms



#### Governance

- FAR operates to support, promote and participate in programs that encourage transparency and international best practice for governance
- FAR is a member of the Extractive Industries Transparency Initiative (EITI)

### Table of contents

1. Introduction to FAR

2. SNE development project

3. Summary





### Key takeaways



World class oil asset



**Strong growth outlook** 



Highly attractive project economics



Significant exploration upside

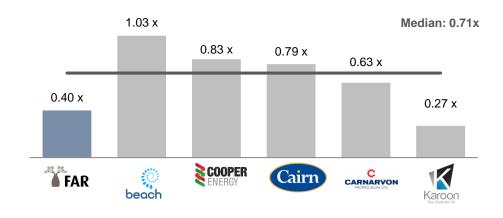


Experienced Board & Management

#### EV/2P+2C resource multiples (US\$/boe)<sup>1</sup>

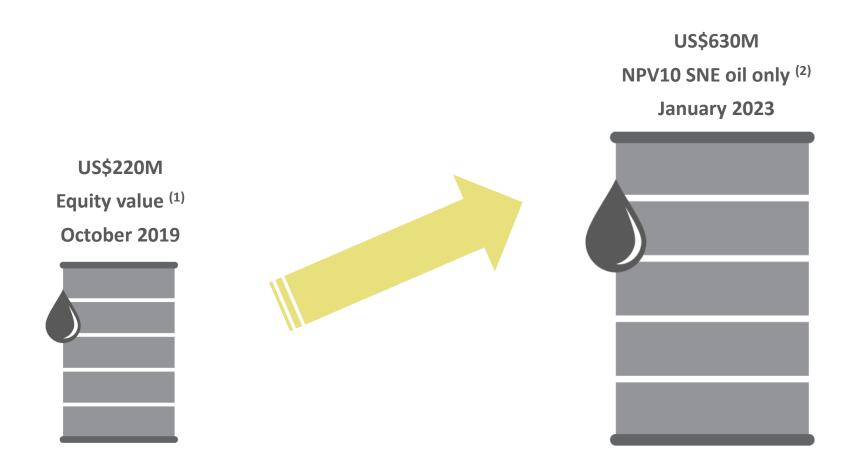


#### $P/NAV(x)^2$



### With a commitment to value creation

The development of SNE will maximise total returns for FAR's shareholders



<sup>1.</sup> FAR's market capitalisation as at 28 October 2019 (Refer slide 3 for calculations), 2. The estimated NPV of the full field project at a 10% nominal discount immediately following first oil after deducting outstanding debt amounts. Key assumptions include P50 production of 483 mmbbl and associated capital costs per Operator estimates 25 October 2019, US\$65/bbl oil price flat real, and fiscal terms set out on slide 16.

Source: FAR financial model.

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- By its very nature exploration and development of oil and gas is high risk and is not suitable for certain investors. FAR shares are a speculative investment. There are a number of risks, both specific to FAR and of a general nature which may affect the future operating and financial performance of FAR and the value of an investment in FAR including and not limited to economic conditions, stock market fluctuations, oil and gas demand and price movements, regional infrastructure constraints, securing drilling rigs, timing of approvals from relevant authorities, regulatory risks, operational risks, reliance on key personnel, foreign currency fluctuations, and regional geopolitical risks.

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  of the Company's prospects. You should conduct your own investigation,
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  adviser before making any investment decision.
- Cautionary Statement for Prospective Resource Estimates With respect to
  the Prospective Resource estimates contained within this report, it should be
  noted that the estimated quantities of Petroleum that may potentially be
  recovered by the future application of a development project may relate to
  undiscovered accumulations. These estimates have an associated risk of
  discovery and risk of development. Further exploration and appraisal is
  required to determine the existence of a significant quantity of potentially
  moveable hydrocarbons.
- Information in this report relating to hydrocarbon resource estimates has been compiled by Peter Nicholls, the FAR exploration manager. Mr Nicholls has over 30 years of experience in petroleum geophysics and geology and is a member of the American Association of Petroleum Geology, the Society of Exploration Geophysicists and the Petroleum Exploration Society of Australia. Mr Nicholls consents to the inclusion of the information in this report relating to hydrocarbon Prospective Resources in the form and context in which it appears. The Prospective Resource estimates contained in this report are in accordance with the standard definitions set out by the Society of Petroleum Engineers, Petroleum Resource Management System.

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