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Summary – Objectives and Strategy



Objective to deliver a high return for investors

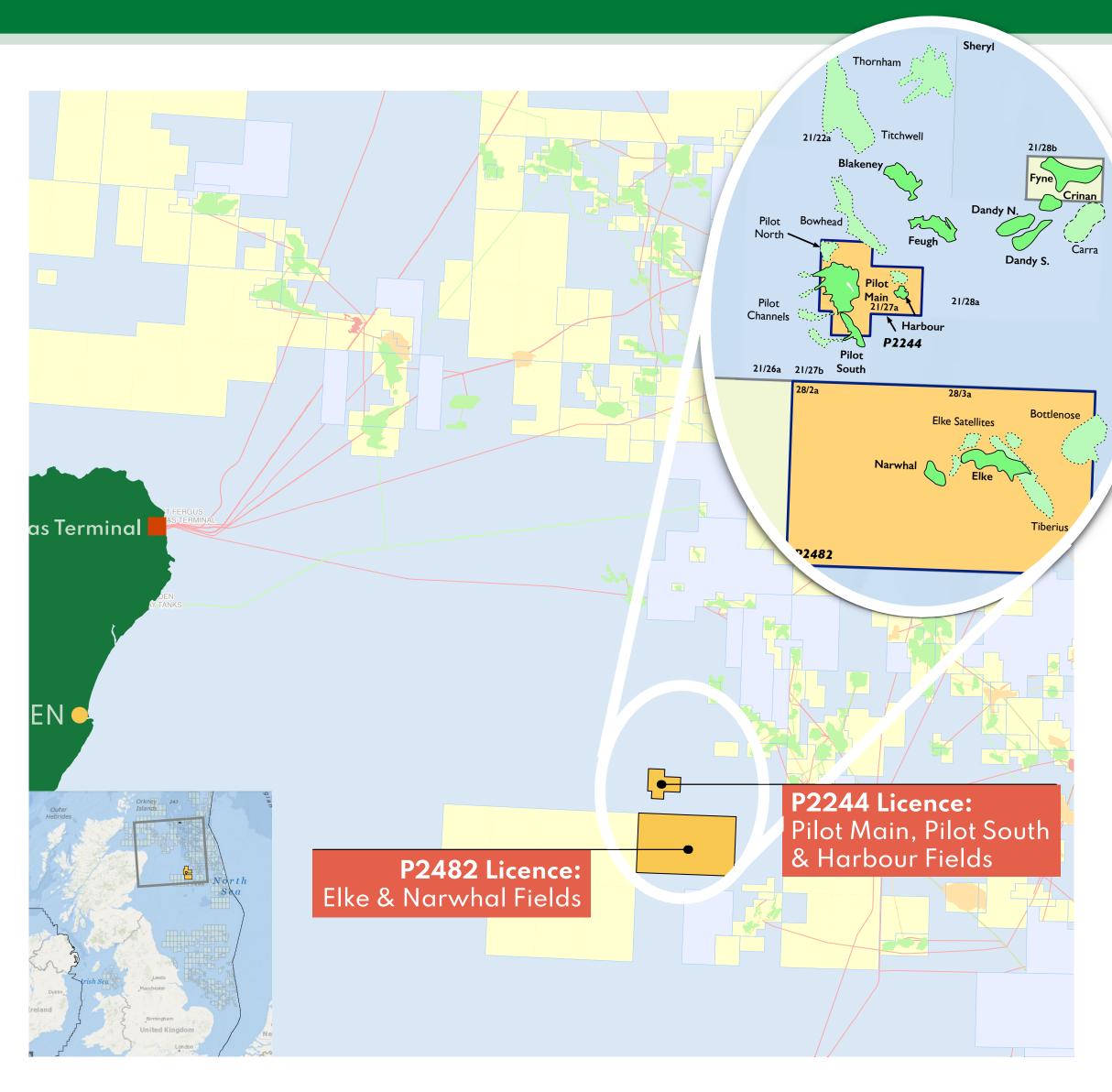
- Fully finance the polymer flood project for Pilot, multi-strand approach:
 - Seek farm-in partners and project investors
 - Structure a contractor alliance to deliver the project
 - Engage with financing partners, lenders, infrastructure investors
- Secure discovered resources at low cost and to transform those resources into reserves and onto production
 - 33rd round presented good opportunities



Orcadian North Sea licences and summary



- Farm-out deal for the Pilot field signed with Ping Petroleum UK plc
- Pilot oilfield has a substantial audited reserve: 79 MMbbl 2P (proven & probable, Sproule)
 - Pilot field is a well appraised and development-ready project, based on a polymer flood, using an FPSO, a mixture of subsea and platform wells and a floating wind turbine
 - 53 MMbbl of contingent resources in Elke and Narwhal
 - Elke satellite exploration and appraisal targets contain over 50 MMbbl with chance of success from 64% to 87%
- Significant low-risk prospectivity identified to North of Pilot based on TGS rEEl attribute work, out-of-round licence process request jointly lodged with NSTA
- 33rd Round application results awaited

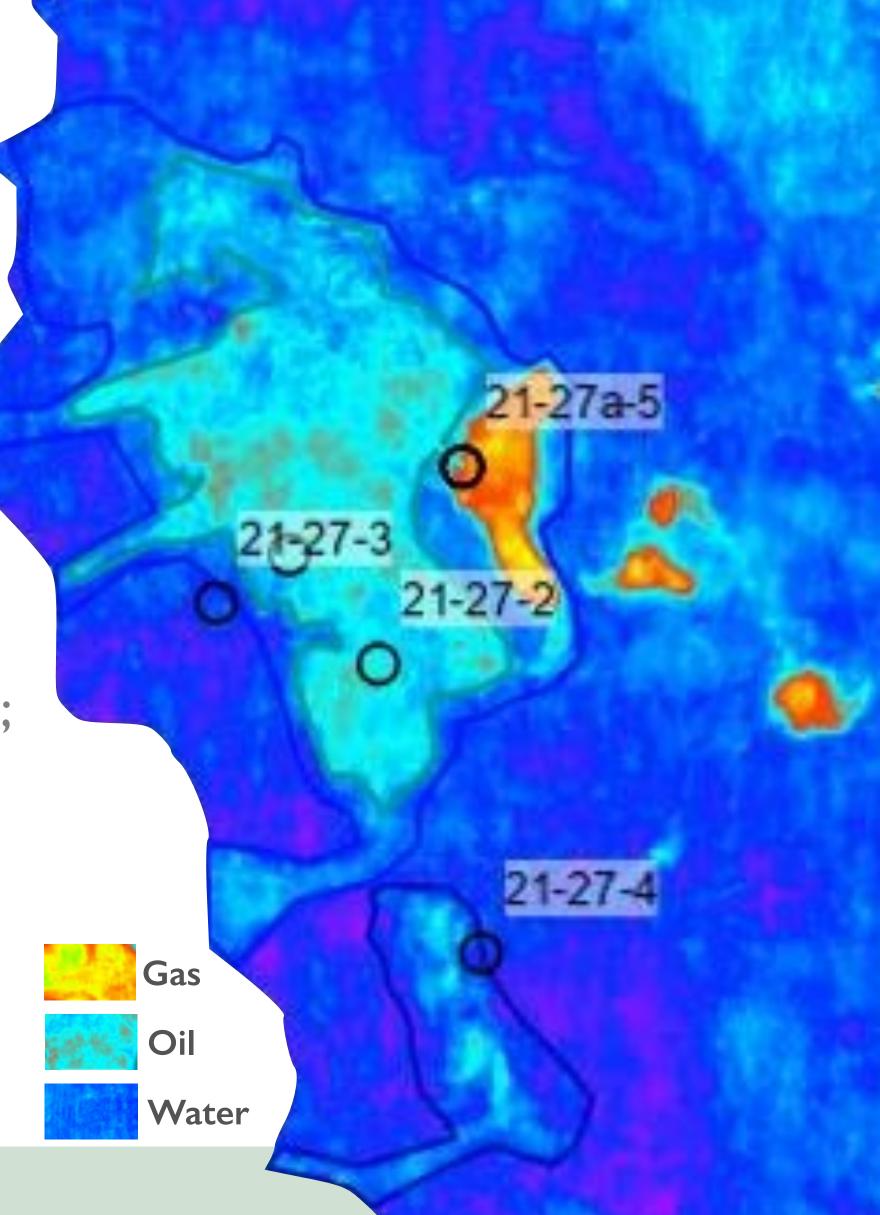


Pilot Field summary



Pilot	Parameter	Units
Oil water contact	2724	feet
Oil column	>100	feet
Gross sand thickness	50-60	feet
Net to gross ratio	0.95	fraction
Porosity	0.34	fraction
Water saturation	< 0.10	fraction
Permeability	2 to 8	Darcies
Oil gravity	12° - 17°	API
Oil viscosity	c. 400	cР
Gas-Oil ratio	80	scf/bbl
Reservoir Temp.	31	°C
Salinity	72,000	ppm

- Pilot Main discovered by Fina in 1989, fields appraised by 5 wells, plus 2 sidetracks/horizontals, Pilot South discovered in 1990; two 3D surveys
- Six wells were cored, three wells were tested including a relatively short horizontal well that tested at rates over 1,800 bopd
- Oil in place (STOIIP) of 263mmbbls;
 polymer flood delivers 79mmbbls
 of proven and probable reserves
- Ithaca has enjoyed "consistent success [applying polymer flood] across the Captain field"



Pilot farm-in deal summary



- Binding Sale and Purchase Agreement with conditions precedent signed with Ping Petroleum UK plc*
- On completion of the deal:
 - Orcadian will have an 18.75% carried interest to first oil, and will retain 14.6 MMbbl of 2P reserves in Pilot, fully carried to first oil, carry terms to be detailed in the JOA
 - NSTA offered a two-year licence extension subject to completion of the deal with Ping
 - Pilot project well advanced and will deliver on the NSTA's Net Zero agenda and Government's Energy Security goals
 - Have requested an out-of-round process to re-apply for former area of P2320 in Joint Bidding arrangement
 - CP's include completion of commercial and legal due diligence; execution of the JOA; approval of the transaction (and variations to the existing agreements in place, where appropriate) from the NSTA, Shell, TGS ASA, and DNeX, Ping's parent company board



Ping Petroleum

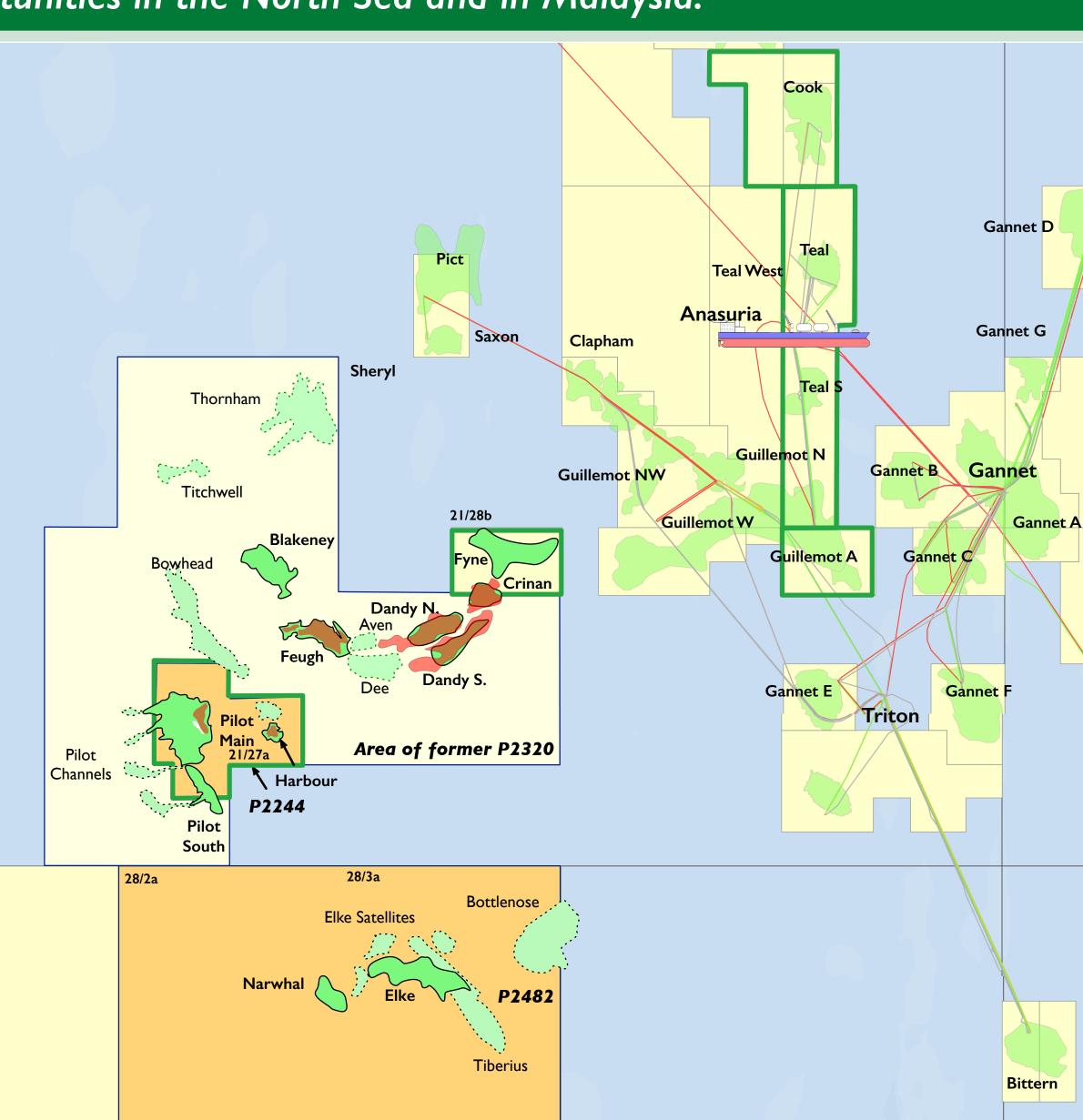
ORCADIAN ENERGY

Focused on shallow water offshore production and development opportunities in the North Sea and in Malaysia.

- 50% owner, alongside Hibiscus
 Petroleum, of the Anasuria complex
 which was acquired from Shell and Esso
 in 2015
- Operator of the Avalon development
- Purchased Sevan Hummingbird now

named Excalibur



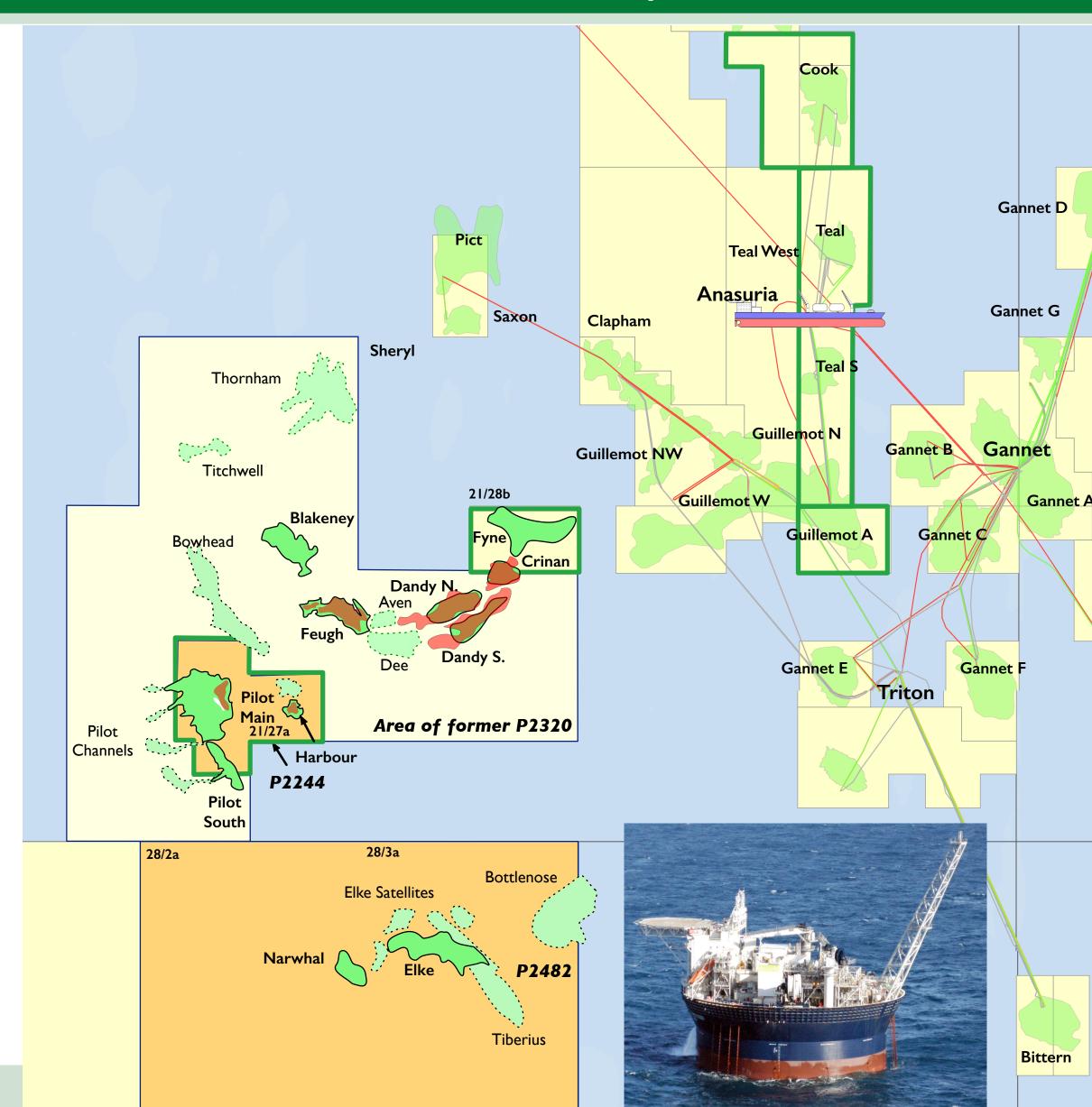


Ping Petroleum

ORCADIAN (ENERGY)

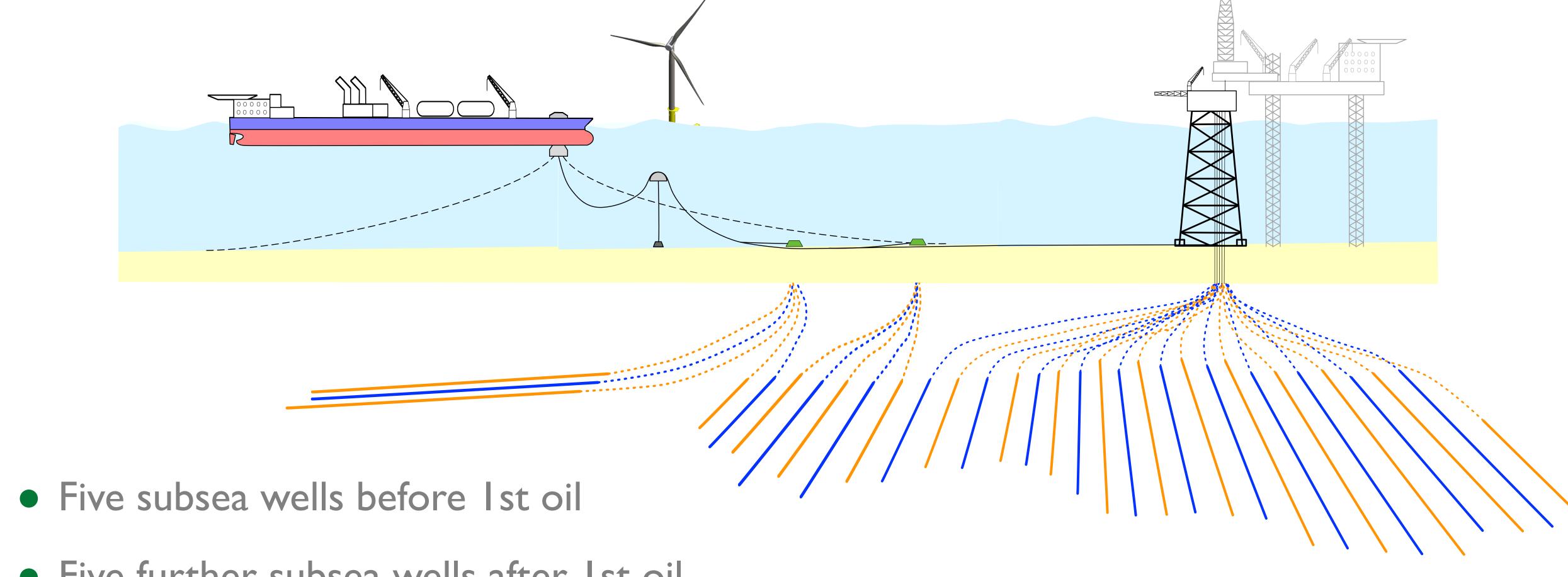
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- 50% owner, alongside Hibiscus
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 which was acquired from Shell and Esso
 in 2015
- Operator of the Avalon development
- Purchased Sevan Hummingbird now named Excalibur
- Stakes in three Malaysian PSCs
- 90% subsidiary of DNeX a Malaysian listed conglomerate



Pilot field phased development plan, subsea wells with platform wells in second phase





- Five further subsea wells after 1st oil
- Twenty-two platform wells to complete development

Pilot field potential production



140,000

120,000

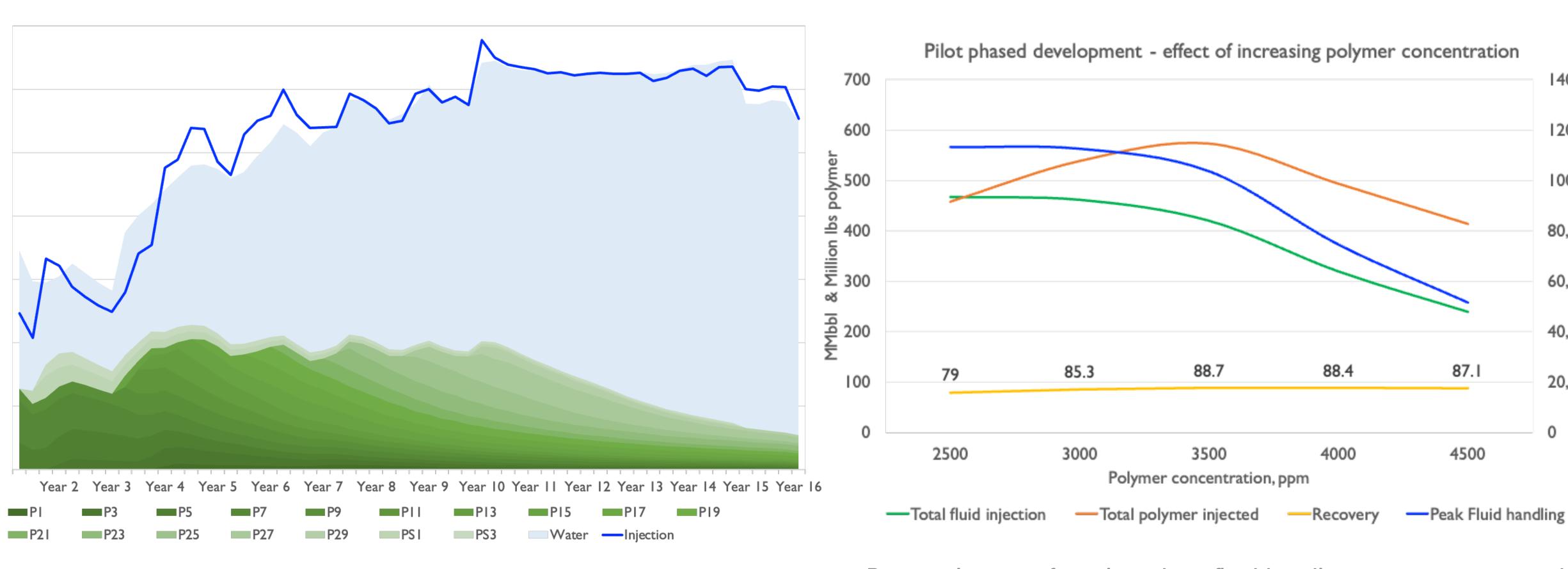
100,000

80,000

60,000

40,000

20,000



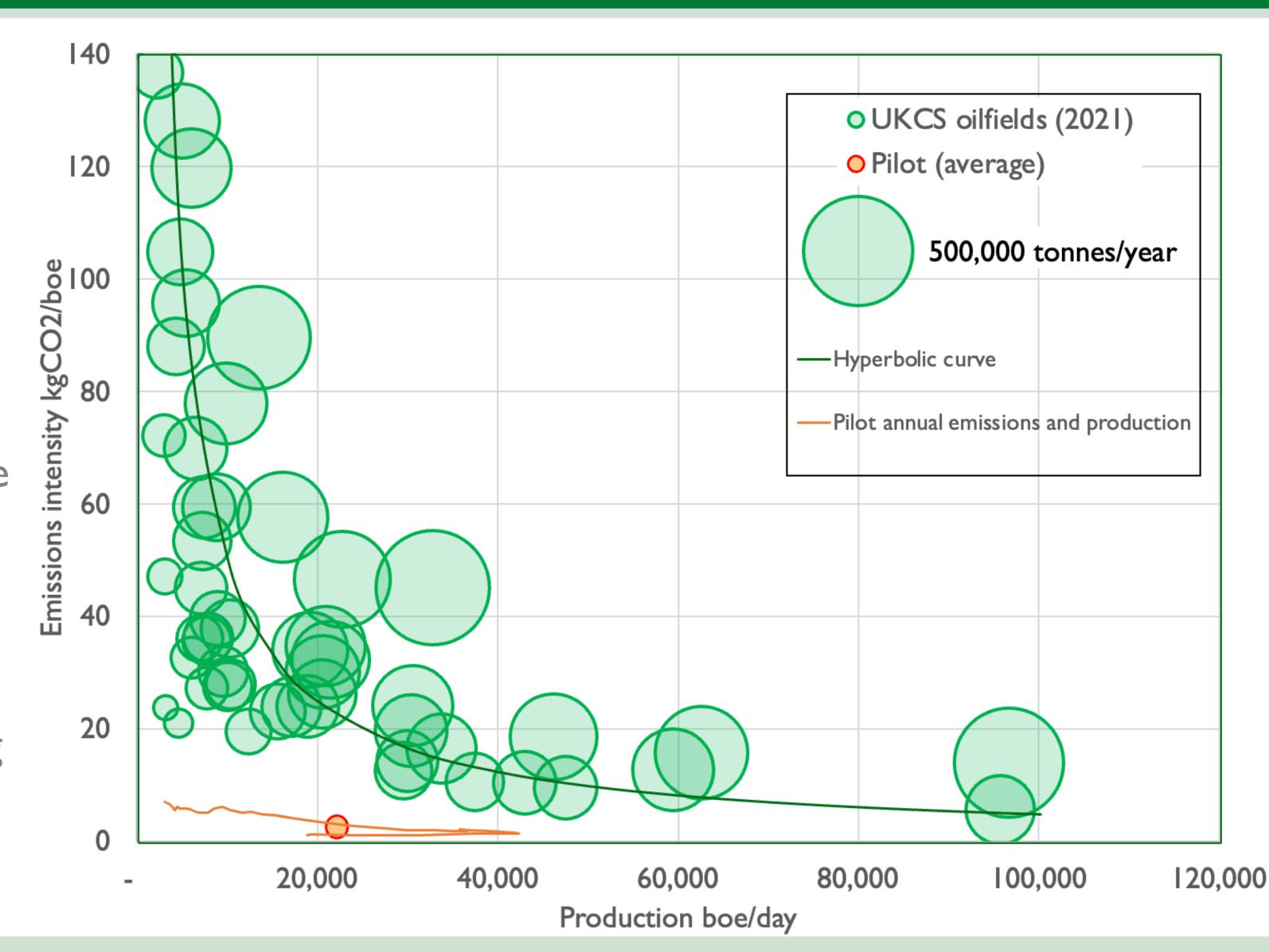
- Potential production profile from Pilot based on modified development plan
- Revised drilling schedule and facility capacities

- Potential to significantly reduce fluid handling requirements on the FPSO by injecting more viscous water than previously assumed
- Creates opportunity to optimise development with a lower capacity FPSO

New oil developments can have dramatically lower emissions than mature fields



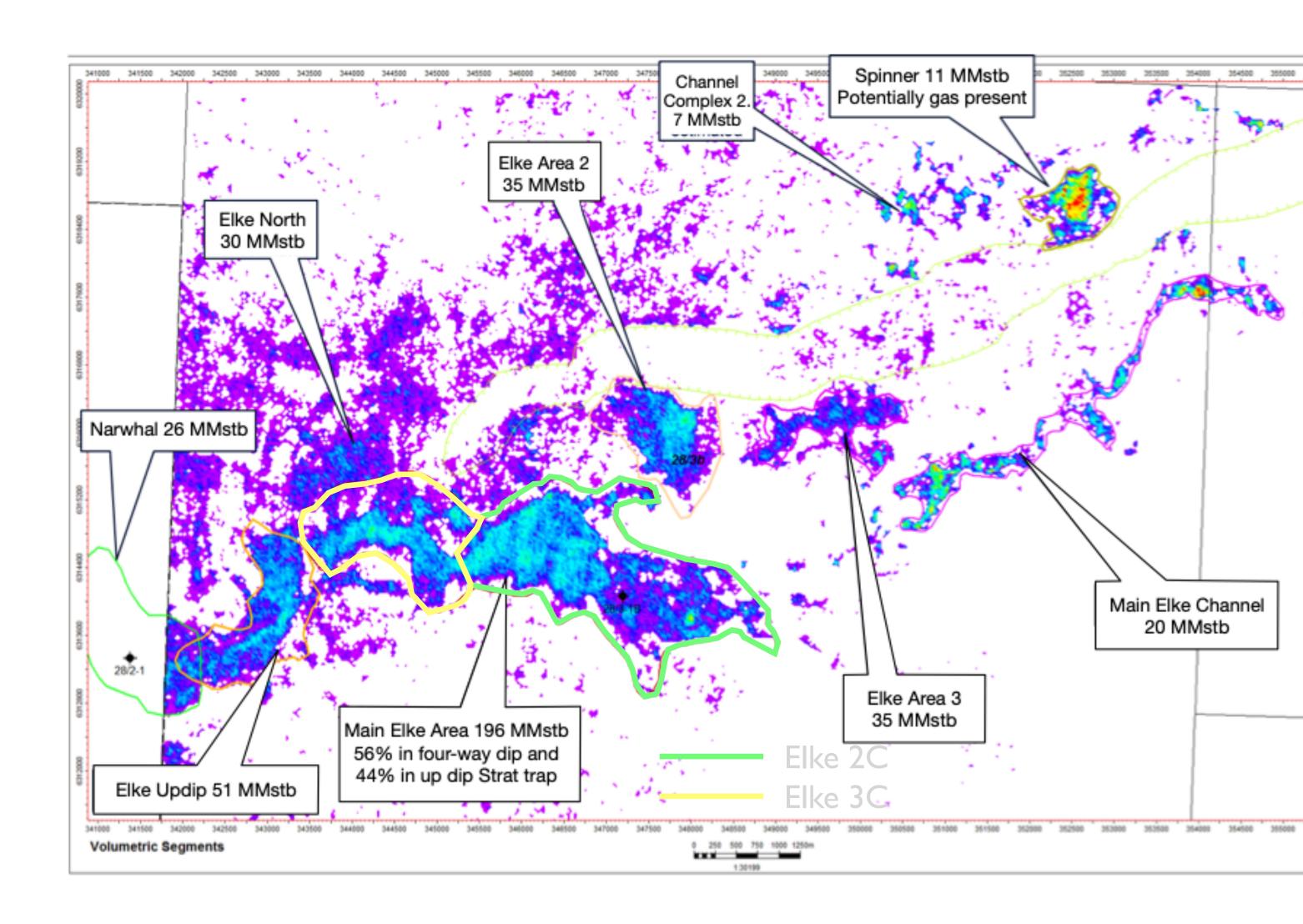
- Data collected by the North Sea
 Transition Authority for emissions intensity, CO₂, CH₄, SO_x and NO_x in CO_{2eq} terms, per barrel of oil equivalent produced in 2021
- This dataset demonstrates how emissions intensity increases as oil production declines and fields mature
- New developments with innovative technologies can have dramatically lower emissions intensity
- Refreshing the portfolio of producing fields can significantly reduce UKCS emissions



Elke, Narwhal & Prospective satellites



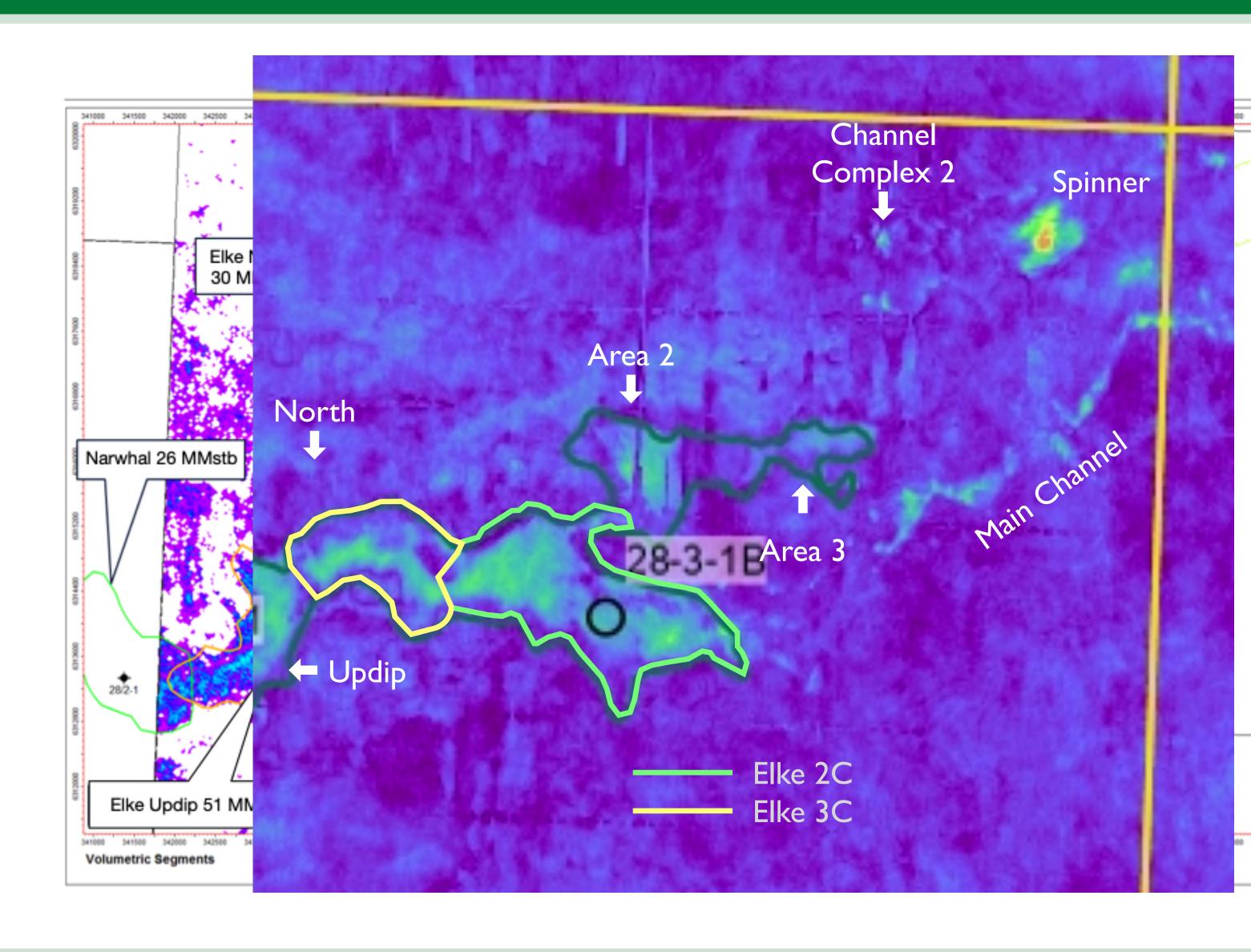
	Pool	P50 2U resource	GCoS	rEEI
2C	Narwhal	9	100%	
	Elke 2C	44	100%	
3C	Elke 3C polygon	23	~90%	
Prospective Resources	Elke Updip	18	87%	
	Elke Area 2	12	64%	
	Elke North	11	66%	
	Elke Area 3	14	64%	
	Main Elke Channel	7	64%	
	Spinner	4	38%	
	Channel Complex 2	3	10%	



Elke, Narwhal & Prospective satellites



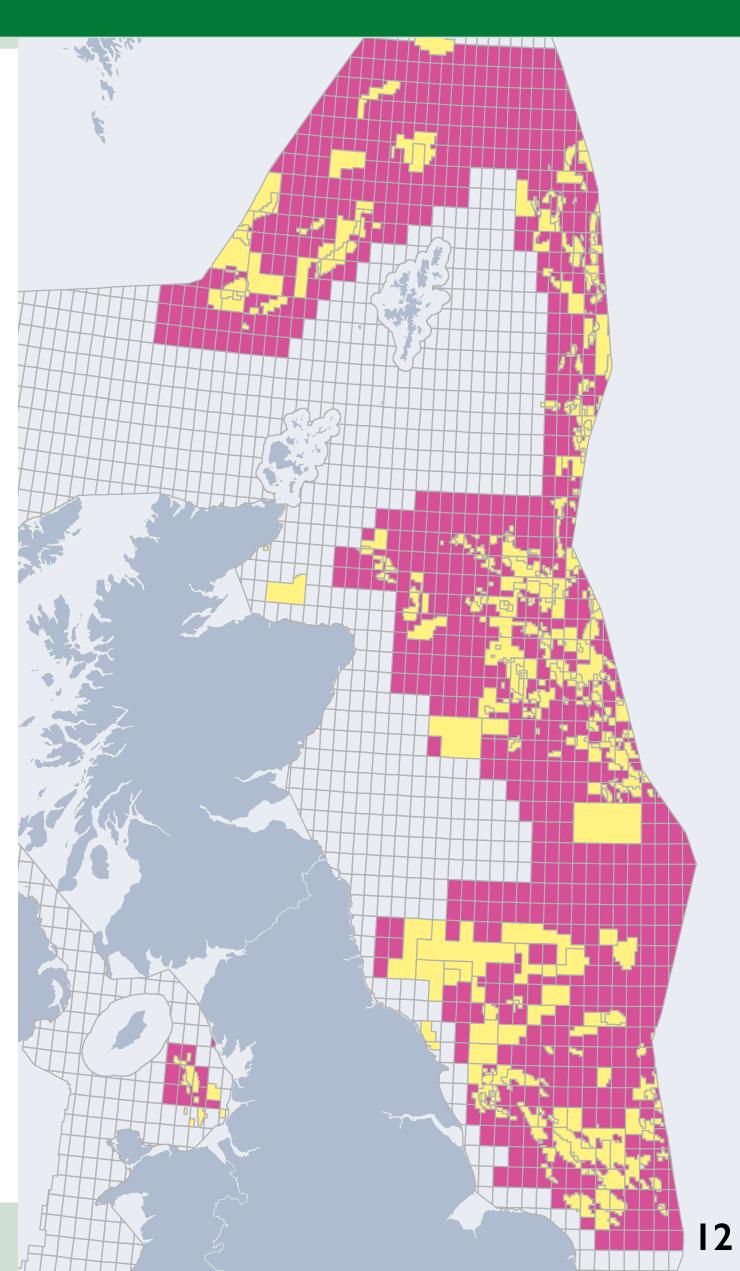
	Pool	2C/2U resource	GCoS	rEEI
2C	Narwhal	9	100%	
	Elke 2C	44	100%	✓
3C	Elke 3C polygon	23	~90%	✓
	Elke Updip	18	87%	✓
	Elke Area 2	12	64%	✓
	Elke North	11	66%	×
	Elke Area 3	14	64%	?
	Main Elke Channel	7	64%	✓
	Spinner	4	38%	✓
	Channel Complex 2	3	10%	?
	Total rEEI supported	106		



33rd Round



- NSTA announced 115 bids across 258 blocks or part-blocks, bids come in from 76 different companies
- Orcadian has participated in the 33rd Round making three licence applications, two in partnership with other companies and one on its own
- One application builds upon Orcadian's viscous oil experience
- Two applications are focussed on gas opportunities, including a potential gas-to-wire project, with integrated carbon capture, which could deliver baseload electricity with minimal emissions
- Net to Orcadian the total P50 sales gas resource applied for amounts to 114 bcf in a discovery, 153 bcf in a near drill-ready prospect, and 377 bcf in leads and less mature prospects



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ORCADIAN ENERGY PLC

E&P COMPANY WITH A LOW-COST PRODUCING ASSET



- □ PING is an independent E&P¹ company which focused on shallow water offshore production and development opportunities in North Sea² and Malaysia
- □ PING is a Bermuda incorporated company, 90% owned by a Malaysian listed company
- ☐ The company's core asset is known as Anasuria Cluster which was acquired from Shell and ExxonMobil in 2016

Overview of PING

(OPEX:USD19/BOE)



4 producing asset fields
All within Anasuria Cluster



5 development projects in the next 5 years Planned for facility optimization and infills within Anasuria Cluster



A Low-Cost Oil Producer

Production cost per barrel stood at USD19 per barrel of oil equivalent as of June '23



~26.7 MMboe
Total 2P reserves³



~3.5x

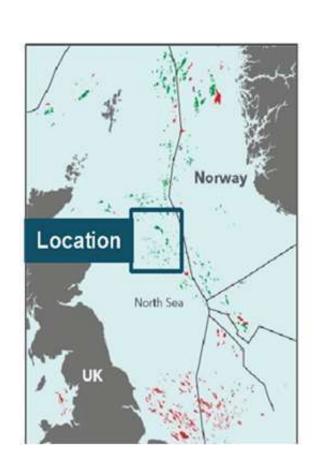
2023E-26E production growth based on 2P reserves from producing fields and Avalon development

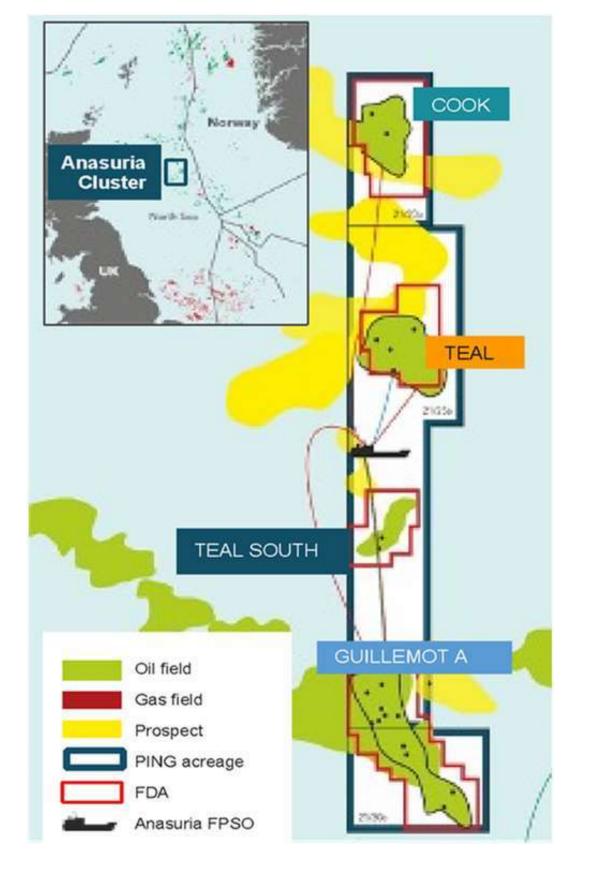


Above USD 320m

Total Operating cashflow from 2023 - 20264

Portfolio Map





Notes: *MMboe*: Millions barrels of oil equivalent, *Mboepd*: Thousand barrels of oil equivalent per day

^{1.} Exploration and Production (E&P) is the upstream segment of the oil and gas industry, which includes the search, exploration, drilling and extraction phases. The E&P is the earliest portion of the oil and gas production process

^{2.} North Sea is a sea of the Atlantic Ocean between Great Britain, Norway, Denmark, Germany, Netherlands, Belgium and France

^{3.} Based on THREE60 Energy Competent Person's Report as of 31.03.2023

^{4.} USD 75/bbl brent oil price 2H 2023, USD 70/bbl in 2024 and USD 65/bbl thereafter and onwards; and GBP 0.4/therm sales gas price in 2H 2023, GBP/USD FX rate at 1.25

ANASURIA CLUSTER:

MATERIAL REMAINING POTENTIAL



Multiple low-risk / high return opportunities identified to drive production and cash flow growth

Vast set of profitable opportunities

Facility optimisation

» Continuous work ongoing to further optimise infrastructure utilisation and maximise field recovery and value of ~2.4 MMboe net 2P reserves

Infill drilling - Well intervention

- » Significant proven resource base to be developed through infill drilling
- » Cook P1 well intervention and water injector

Guillemot A:

 » Planned, but not sanctioned infill drilling program - three infill wells targeting 5.0 MMboe net 2P reserves

Teal + Teal South:

 Planned, but not sanctioned infill drilling program - two infill wells targeting 5.8 MMboe net 2P reserves

Cook:

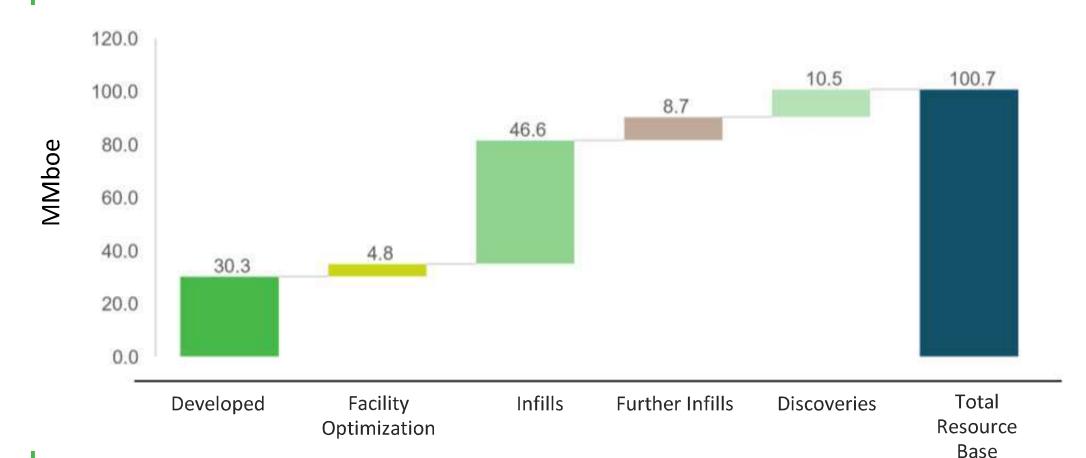
Planned, but not sanctioned infill drilling program - one infill well targeting 4.8 MMboe net 2P reserves

→ Further identified infill targets: 5 wells – 5.0 MMboe net 2C resources

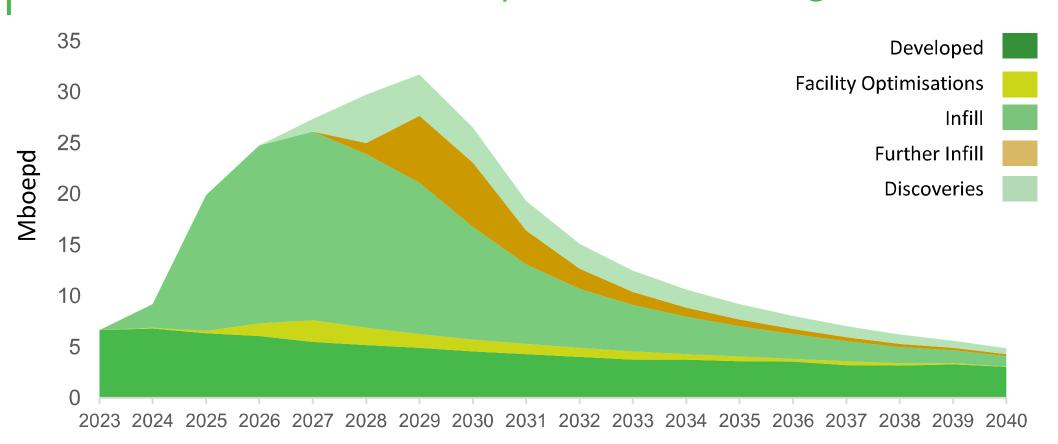
New development (Kite)

» Single well targeting 5.3 MMboe net 2C reserves

Anasuria Cluster resource base¹ (gross)



Anasuria Cluster area production^{1,2} (gross)



www.pingpetroleum.com Slide

EXCALIBUR FPSO: PING'S SEVAN FPSO







Excalibur FPSO

- The Excalibur (formerly Sevan Hummingbird) is the best fit-for-purpose, re-used FPSO for the Avalon development, having recently completed production operations on the Chestnut field. Both marine & topsides inspection has been completed and no major issues were found.
- » The vessel maintained 96% operational efficiency over the last 14 months of production and a 3rd party inspection has verified the vessel is in good condition. The vessel is currently warm-stacked in Port of Nigg, UK.
- » The FPSO was purchased and fully settled in cash.
- The vessel can process up to 30,000 barrels of oil per day and 50,000 barrels of total liquid. The storage tanks can hold up to 270,000 barrels of oil.
- » Other specifications;
 - 1. Hull constructed in China, Topsides in Europe, Integration in Rotterdam
 - 2. Delivered in 2007. Put into operations in 2008
 - 3. Hull diameter 60m, 7 riser slots, 12 mooring lines
 - 4. Personnel on Board Capacity: 47
 - 5. Process deck area: 3,825 m2 Main deck area: 3,450 m2

Sevan Concept & Technical Specs

- » Excalibur, built in 2007/20008 with a 25 year design life, is a Sevan Concept FPSO which has a cylindrical shape; different to a ship-shape FPSO like Anasuria
- » The principal benefit of the Sevan concept is that the FPSO is geo-stationary with fewer complex moving parts than a conventional FPSO (eg, swivels).
- The hull faces the environment with the same shape in every direction, thus no weathervaning
- » No thrusters or heading control vessels are required and lower pitch/roll motions leads to reduced fatigue and stresses, extending the design life
- » Potential for OPEX savings with reduced maintenance and manning