

24 November 2021

**UPDATED CORPORATE PRESENTATION**  
**HARTSHEAD RESOURCES – MULTI-PHASED GAS DEVELOPMENT GATHERING**  
**PACE**

---

Hartshead Resources NL (**Hartshead, HHR** or the **Company**) is pleased to announce the release of an updated corporate presentation.

The updated presentation is focussed on Hartshead’s multi-phased gas development project in Seaward Production License P2607 and how this has the potential to deliver material volumes of natural gas feedstock for blue hydrogen generation as part of the UK government’s Bacton Energy Hub initiative.

The role of the natural gas and electricity markets as part of the UK’s 2050 net zero emission targets and the energy transition is also addressed in addition to the Company’s developing ESG strategy.

**-Ends-**

---

**CONTACTS**

The Board of Directors of Hartshead Resources NL authorised this announcement to be given to ASX.

---

For further information on this announcement, visit [www.hartshead-resources.com.au](http://www.hartshead-resources.com.au) or contact:

**Christopher Lewis**  
Chief Executive Officer

**Andrew Matharu**  
Chief Financial Officer

**w: +61 8 9226 2011**  
**e: [info@hartshead-resources.com](mailto:info@hartshead-resources.com)**

**Notes to Editors:**
**Hartshead Resources NL**

ASX-listed Hartshead Resources NL and is focussed on building a financially, technically and environmentally responsible European Energy business.

Hartshead's goal is to secure and invest in projects where resources can be extracted and delivered to meet Europe's growing energy demand while supporting the transition to a low carbon future.

In progressing this strategy Hartshead is focused on its 100% owned Production Seaward License P2607 comprising of five blocks which contain four existing gas fields in the UK Southern Gas Basin.

Hartshead brings together a highly experienced oil and gas team with specialised knowledge covering subsurface, engineering, commercial, QHSE and capital markets with the required skillsets needed to successfully and safely deliver oil and gas upstream projects.

**UK Southern North Sea Production Seaward License P2607 – Contingent and Prospective Resources**

Please refer to the qualified person's statement relating to the reporting of contingent and prospective resources on Hartshead Resources Southern North Sea License P2607 in Hartshead's ASX Announcement dated 14 December 2020 (see Schedule 3). The Company is not aware of any new information or data that materially affects the information about the contingent resource and prospective resource estimates included in this announcement and all the material assumptions and technical parameters underpinning those estimates in this announcement continue to apply and have not materially changed.

Contingent resources reported herein have been estimated and prepared using the probabilistic method.

CONTINGENT RESOURCES (BCF)				
PHASE I PROJECTS		1C	2C	3C
ANNING	49/17b	84	125	177
SOMERVILLE	49/17b	62	90	124
COMBINED <sup>1</sup>	49/17b	161	217	285

CONTINGENT RESOURCES (BCF)	1C	2C	3C	GCOS
----------------------------	----	----	----	------

<sup>1</sup> Volumes combined stochastically to give portfolio volume

<b>PHASE II</b>	49/6c, 49/11c	<b>Lovelace</b>	14	<b>39</b>	70	100%
	48/15c	<b>Hodgkin</b>	35	<b>100</b>	387	100%
<b>PROSPECTIVE RESOURCES<sup>2</sup></b>			P90	<b>P50</b>	P10	GCoS
<b>PHASE III</b>	49/17b	<b>Garrod</b>	29	<b>56</b>	94	50%
<b>EXPLORATION</b>	49/17b	<b>Ayrton</b>	43	<b>85</b>	142	30%

### Forward Looking Statements

This document has been prepared by Hartshead Resources NL (HHR). This document contains certain statements which may constitute "forward-looking statements". It is believed that the expectations reflected in these statements are reasonable but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including, but not limited to: price fluctuations, actual demand, currency fluctuations, drilling and production results, reserve and resource estimates, loss of market, industry competition, environmental risks, physical risks, legislative, fiscal and regulatory developments, economic and financial market conditions in various countries and regions, political risks, project delays or advancements, approvals and cost estimates.

HHR's operations and activities are subject to regulatory and other approvals and their timing and order may also be affected by weather, availability of equipment and materials and land access arrangements. Although HHR believes that the expectations raised in this document are reasonable there can be no certainty that the events or operations described in this document will occur in the timeframe or order presented or at all.

No representation or warranty, expressed or implied, is made by HHR or any other person that the material contained in this document will be achieved or prove to be correct. Except for statutory liability which cannot be excluded, each of HHR, its officers, employees and advisers expressly disclaims any responsibility for the accuracy or completeness of the material contained in this document and excludes all liability whatsoever (including in negligence) for any loss or damage which may be suffered by any person as a consequence of any information in this document or any error or omission there from. Neither HHR nor any other person accepts any responsibility to update any person regarding any inaccuracy, omission or change in information in this document or any other

<sup>2</sup> Prospective resources are estimated quantities of petroleum that may potentially be recovered by the application of a future development project(s) and relate to undiscovered accumulations. These prospective resources estimates have both an associated risk of discovery and a risk of development. Further exploration appraisal and evaluation is required to determine the existence of a significant quantity of potentially moveable hydrocarbons.

information made available to a person nor any obligation to furnish the person with any further information.

#### **Qualified Person's Statement**

Hartshead has prepared the Contingent Resource and Prospective Resource information in this announcement in accordance with the ASX Listing Rules and the 2007 Petroleum Resources Management System published by the Society of Petroleum Engineers (SPE-PRMS). The Contingent Resource estimates and Prospective Resource estimates presented in this report were originally disclosed to the market in an announcement released 14 December 2020. Hartshead confirms that it is not aware of any new information or data that materially affects the information included in the aforesaid market announcement and that all the material assumptions and technical parameters underpinning the estimates in the aforesaid market announcement continue to apply and have not materially changed. The information in this announcement that relates to Contingent Resource information in relation to the Phase I Anning and Somerville fields is based on information compiled by technical employees of independent consultants, Oilfield Production Consultants Ltd, which information was subsequently reviewed by Mr Christopher Lewis. The information in this announcement that relates to Contingent Resource information in relation to the Phase II Hodgkin and Lovelace fields and the Prospective Resource information in relation to the Garrod and Ayrton prospects is based on information compiled by Mr Christopher Lewis and information compiled by technical consultants contracted to Hartshead which has been subsequently reviewed by Mr Christopher Lewis. Mr Lewis has consented to the inclusion of such information in this announcement in the form and context in which it appears and the resources information in this report is based on, and fairly represents, information and supporting documentation reviewed by, or prepared under the supervision of, Mr Christopher Lewis. Mr Lewis is a Director of Hartshead and has a BSc from the Imperial College, University of London and is a member of The American Association of Petroleum Geologists (AAPG) and the European Association of Geoscientists and Engineers (EAGE). Mr Lewis is qualified in accordance with the requirements in ASX Listing Rule 5.41.







HARTSHEAD RESOURCES NL

# Corporate Presentation

NOVEMBER 2021



# HARTSHEAD RESOURCES NL

## FORWARD LOOKING STATEMENT



The material in this presentation has been prepared by Hartshead Resources Limited ("Hartshead") and is general background information about Hartshead's activities current as at the date of this presentation. This information is given in summary form and does not purport to be complete. Information in this presentation, including forecast financial information, should not be considered as advice or a recommendation to investors or potential investors in relation to holding, purchasing or selling securities or other financial products or instruments and does not take into account your particular investment objectives, financial situation or needs.

This document contains certain statements which may constitute "forward-looking statements". It is believed that the expectations reflected in these statements are reasonable but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including, but not limited to: price fluctuations, actual demand, currency fluctuations, drilling and production results, reserve and resource estimates, loss of market, industry competition, environmental risks, physical risks, legislative, fiscal and regulatory developments, economic and financial market conditions in various countries and regions, political risks, project delays or advancements, approvals and cost estimates.

Hartshead's operations and activities are subject to regulatory and other approvals and their timing and order may also be affected by weather, availability of equipment and materials and land access arrangements. Although Hartshead believes that the expectations raised in this document are reasonable there can be no certainty that the events or operations described in this document will occur in the timeframe or order presented or at all.

No representation or warranty, expressed or implied, is made by Hartshead or any other person that the material contained in this document will be achieved or prove to be correct. Except for statutory liability which cannot be excluded, each of Hartshead, its officers, employees and advisers expressly disclaims any responsibility for the accuracy or completeness of the material contained in this document and excludes all liability whatsoever (including in negligence) for any loss or damage which may be suffered by any person as a consequence of any information in this document or any error or omission there from. Neither Hartshead nor any other person accepts any responsibility to update any person regarding any inaccuracy, omission or change in information in this document or any other information made available to a person nor any obligation to furnish the person with any further information.

### Corporate Information

This presentation is dated 23 November 2021 and is authorised to be given to ASX by the Board of Directors of Hartshead Resources NL. The address of Hartshead Resources NL is Level 1 89 St George's Terrace Perth WA 6000 and its website is [www.hartshead-resources.com.au](http://www.hartshead-resources.com.au). Shareholders, investors and other interest parties can contact Nathan Lude, Executive Director, on +61 8 9226 2011 or at [info@hartshead-resources.com](mailto:info@hartshead-resources.com).



# HARTSHEAD RESOURCES NL

## QUALIFIED PERSON'S STATEMENT



Hartshead has prepared the Contingent Resource and Prospective Resource information in this report in accordance with the ASX Listing Rules and the 2007 Petroleum Resources Management System published by the Society of Petroleum Engineers (SPE-PRMS). The Contingent Resource estimates and Prospective Resource estimates presented in this report were originally disclosed to the market in an announcement released 14 December 2020. Hartshead confirms that it is not aware of any new information or data that materially affects the information included in the aforesaid market announcement and that all the material assumptions and technical parameters underpinning the estimates in the aforesaid market announcement continue to apply and have not materially changed.






The information in this announcement that relates to Contingent Resource information in relation to the Phase I Victoria and Viking Wx fields is based on information compiled by technical employees of independent consultants, Oilfield Production Consultants Ltd, which information was subsequently reviewed by Mr Christopher Lewis. The information in this announcement that relates to Contingent Resource information in relation to the Phase II Audrey NW and Tethys North fields and the Prospective Resource information in relation to the Vixen SW and Vixen SE prospects is based on information compiled by Mr Christopher Lewis and information compiled by technical consultants contracted to Hartshead Resources which has been subsequently reviewed by Mr Christopher Lewis. Mr Lewis has consented to the inclusion of such information in this announcement in the form and context in which it appears and the resources information in this report is based on, and fairly represents, information and supporting documentation reviewed by, or prepared under the supervision of, Mr Christopher Lewis. The Company confirms that it is not aware of any new information or data that materially affects the Contingent Resources reported in this publication. The Company confirms that all material assumptions and technical parameters underpinning the Contingent Resources continue to apply and have not materially changed. The Company confirms that the form and context in which the Contingent Resources are presented have not been materially modified.

Mr Lewis is a Director of Hartshead Resources NL and has a BSc from the Imperial College, University of London and is a member of The American Association of Petroleum Geologists (AAPG) and the European Association of Geoscientists and Engineers (EAGE). Mr Lewis is qualified in accordance with the requirements in ASX Listing Rule 5.41.





# GAS DEVELOPMENT COMPANY POISED FOR GROWTH

<p>UK Southern Gas Basin Focus</p>		<ul style="list-style-type: none"> <li>• Southern Gas Basin development company with a multi-phased portfolio of discovered gas resources</li> <li>• Phase I assets provide a platform to secure a gas transportation route and 3<sup>rd</sup> party infrastructure access</li> <li>• Opportunity to leverage planned infrastructure and create aggregation “hubs” of stranded gas pools</li> </ul>
	<p>Phased Portfolio Development</p>	<ul style="list-style-type: none"> <li>• Resource of ~<b>0.5 Tcf</b> of very high quality gas</li> <li>• Phase I development of Anning (Victoria) and Somerville (Wx) fields: <b>Prelim FDP Q2 2022 – First Gas late 2024</b></li> <li>• Phase II development of Hodgkin (Audrey NW) and Lovelace (Tethys N)</li> <li>• Phase III prospect inventory generation in progress</li> </ul>
<p>Entrepreneurial Management Team</p>		<ul style="list-style-type: none"> <li>• Team has successfully managed multiple Southern Gas Basin projects/companies</li> <li>• Seasoned skill-set – Subsurface through engineering, commercial, HSEQ and capital markets</li> <li>• Team members were part of successful exits of Highland Energy and Caledonia Oil &amp; Gas</li> </ul>
	<p>Material Contingent Resources</p>	<ul style="list-style-type: none"> <li>• 2C contingent resources of <b>354 Bcf<sup>1</sup></b> in four gas fields</li> <li>• Phase I independently verified 2C contingent resources of <b>217 Bcf<sup>2</sup></b></li> <li>• Phase II 2C contingent resources total <b>139 Bcf<sup>1</sup></b> and Phase III 2U prospective resources of <b>141 Bcf<sup>1</sup></b></li> </ul>
<p>Energy Transition Alignment</p>		<ul style="list-style-type: none"> <li>• Southern Gas Basin is a key component of the UK’s decarbonisation efforts and 2050 net zero target</li> <li>• License located within the Bacton Catchment Area with access to renewable offshore electrification</li> <li>• Potential for Hartshead gas to provide feedstock for Blue Hydrogen production at Bacton Energy Hub</li> </ul>

<sup>1</sup>Hartshead management estimates

<sup>2</sup> Volumetric estimates are from Oilfield Production Consultants (OPC) Ltd, Independent Competent Persons Report (CPR) entitled “Contingent Resources Review and Audit (Victoria and Viking Wx)” dated October 2020

# DIVERSIFIED PORTFOLIO

## MULTIPLE GAS FIELD DEVELOPMENT AND EXPLORATION OPPORTUNITIES

- FIELDS HAVE HISTORICALLY PRODUCED GAS

### PHASE 1

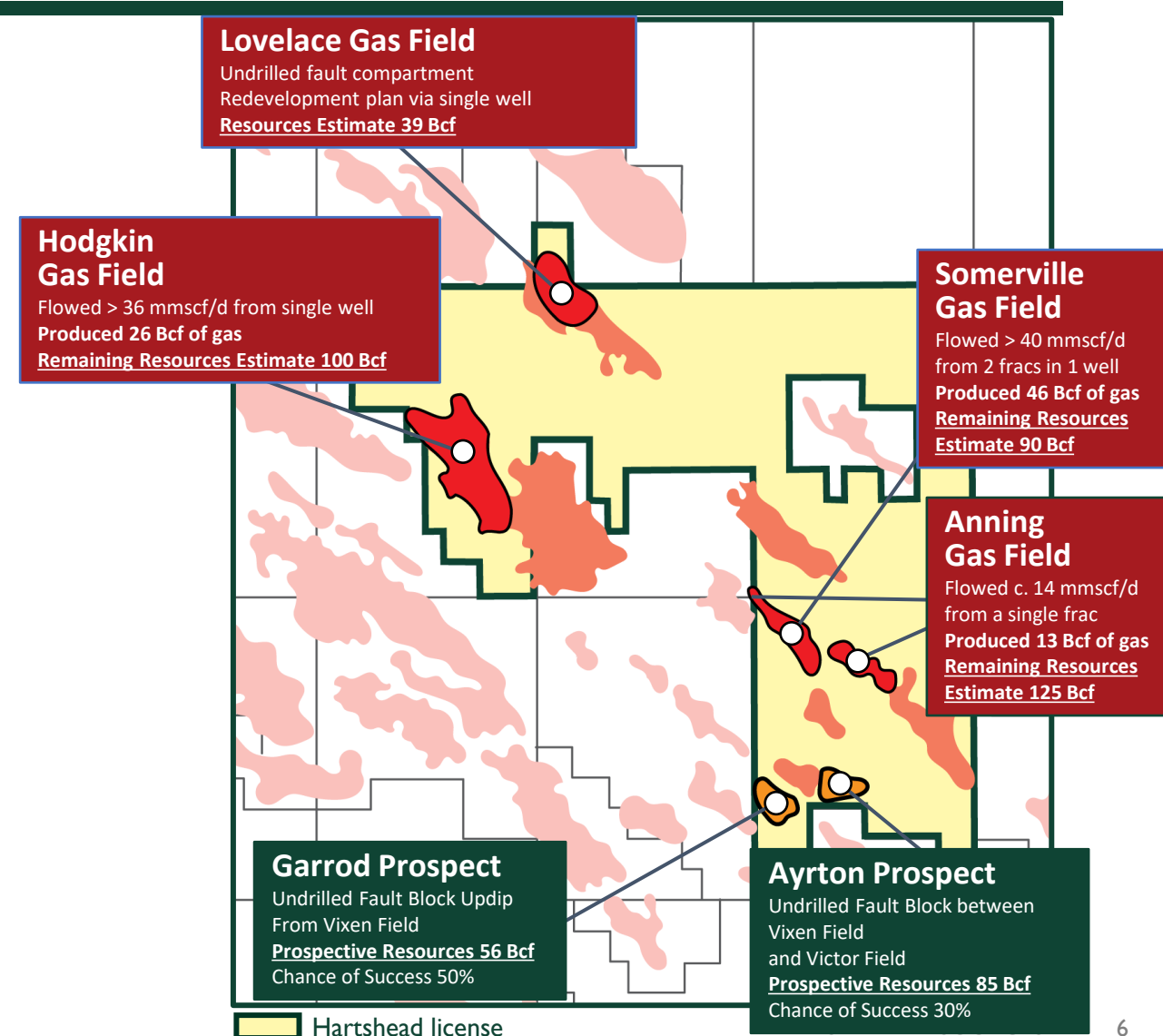
- Anning and Somerville Gas Fields joint development
  - Formerly Victoria & Viking Wx
- Combined 2C resources of 217 Bcf
- Currently in Concept Select Phase

### PHASE 2

- Hodgkin and Lovelace joint development
  - Formerly Audrey NW & Tethys N
- Combined 2C 139 Bcf
- Detailed subsurface work underway

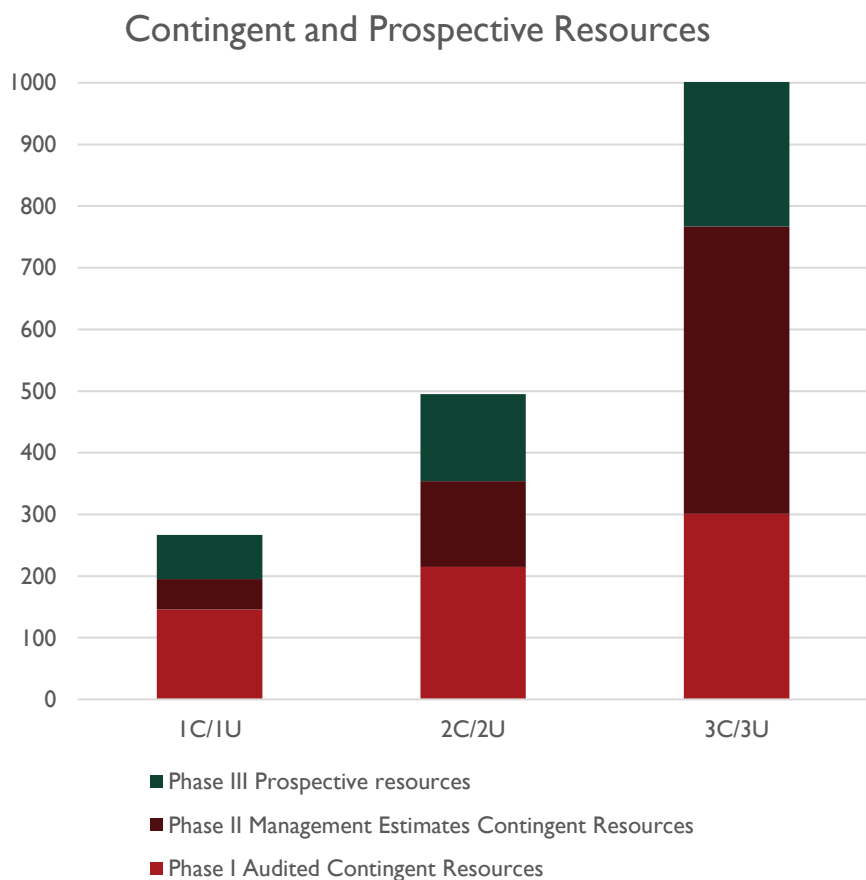
### PHASE 3

- Two prospects mapped
- 140 Bcf combined prospective resource
- Additional prospects already identified
- Mapping project underway



# RESOURCE BASE

## ▶ 2C CONTINGENT RESOURCES C.354 BCF ACROSS FOUR DISCOVERIES



CONTINGENT RESOURCES (BCF)			1C	2C	3C	GCoS
PHASE I	49/17b	Anning	84	125	177	100%
	49/17b	Somerville	62	90	124	100%
PHASE II	49/6c, 49/11c	Lovelace	14	39	79	100%
	48/15c	Hodgkin	35	100	387	100%

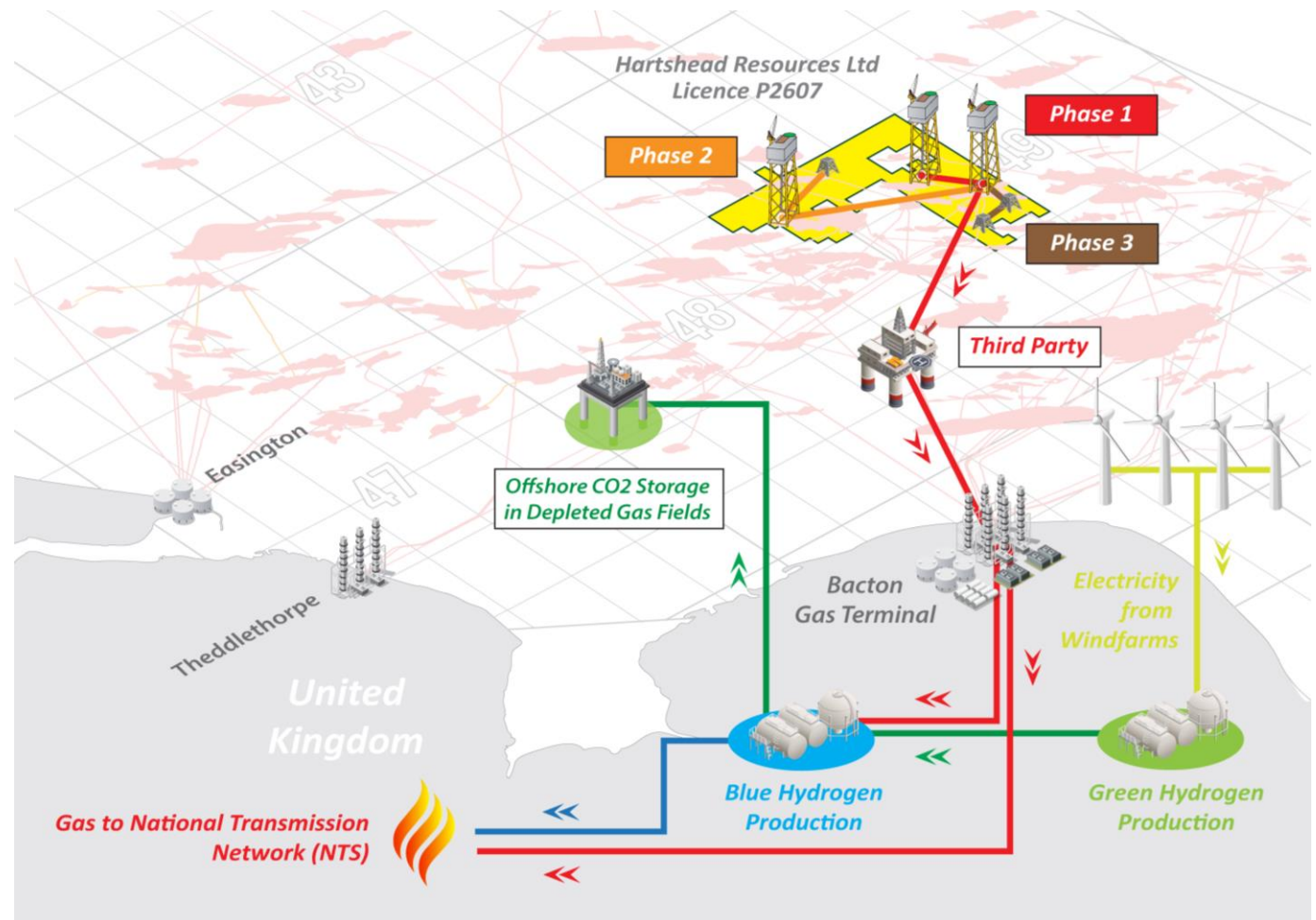
PROSPECTIVE RESOURCES (BCF)			P90	P50	P10	GCoS
PHASE III EXPLORATION	49/17b	Garrod	29	56	94	50%
	49/17b	Ayrton	43	85	142	30%



# P2607 PRODUCTION & DEVELOPMENT AREA

## THREE PHASES OF DEVELOPMENT

- Phased development of c. 500 Bcf
  - Phase I supports infrastructure investment
- Delivery to Bacton Gas Terminal
  - Via third party infrastructure & HHR pipeline
- Bacton Energy Hub initiative launched by UK government to promote H2 generation
  - Hartshead gas potential feedstock for Blue H2
  - OGA estimate Bacton Energy Hub will require up to an estimated 2 Tcf in additional demand for gas at Bacton<sup>3</sup>
  - Combined with offshore CCS
  - HHR team contributing to several special interest groups formed to progress Bacton initiative

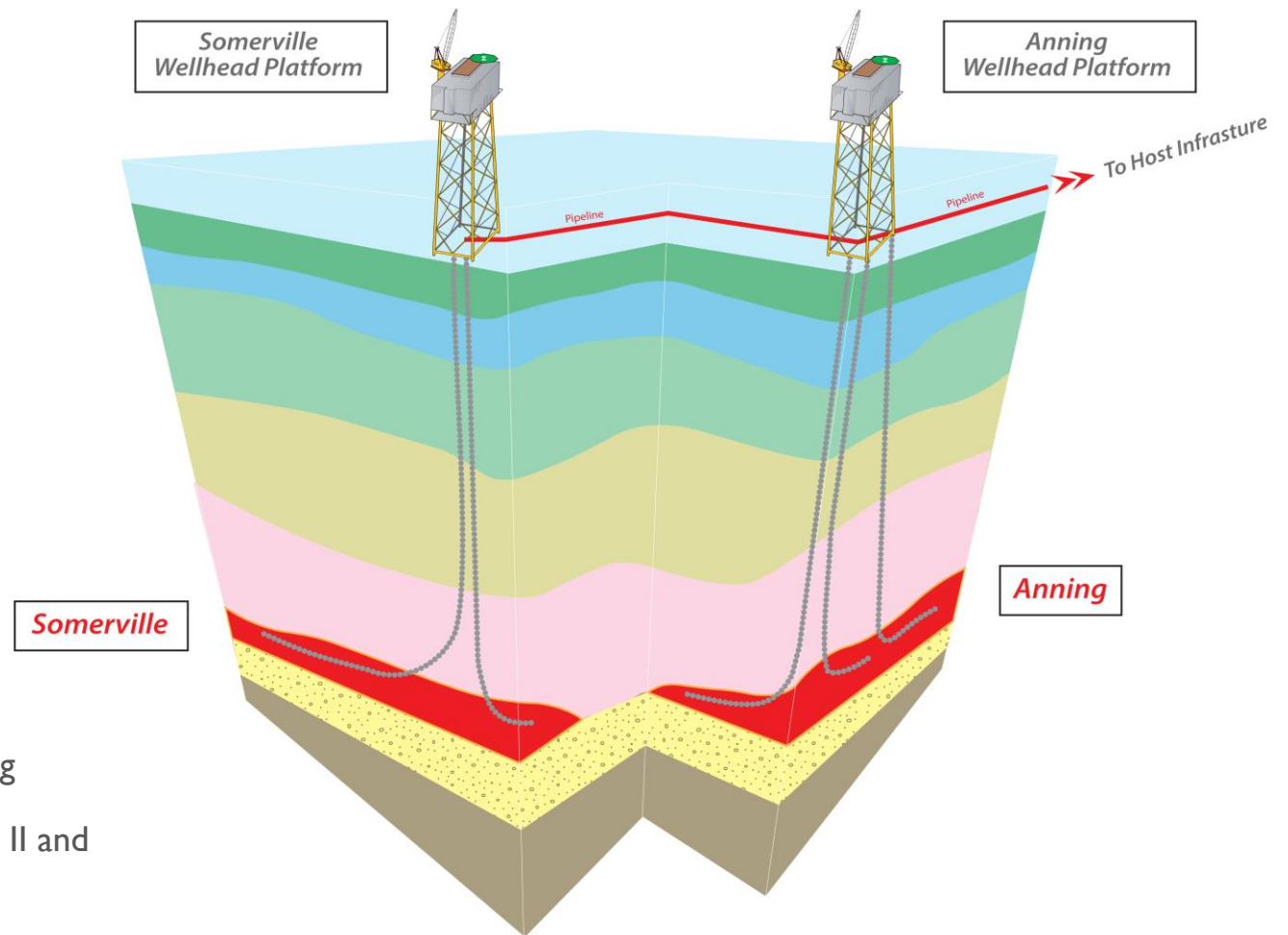


<sup>3</sup> OGA: bacton-external-launch-16th-june-2021-external.pdf

# PHASE I DEVELOPMENT

## DEVELOPMENT

- 2C resources estimate 217 Bcf
  - IC estimate is 161 Bcf from five wells
- Peak production rate estimated at c. 120 mmscf/d
  - Approximately 135 TJ/d
- Greenfield Development Concept Identified
  - Two minimum facility, unmanned platforms
  - Export to third part infrastructure
  - Gas delivery to Bacton Gas Terminal
- Discussions with third party infrastructure owners ongoing
- Phase I infrastructure can then be used to monetise Phase II and Phase III resources

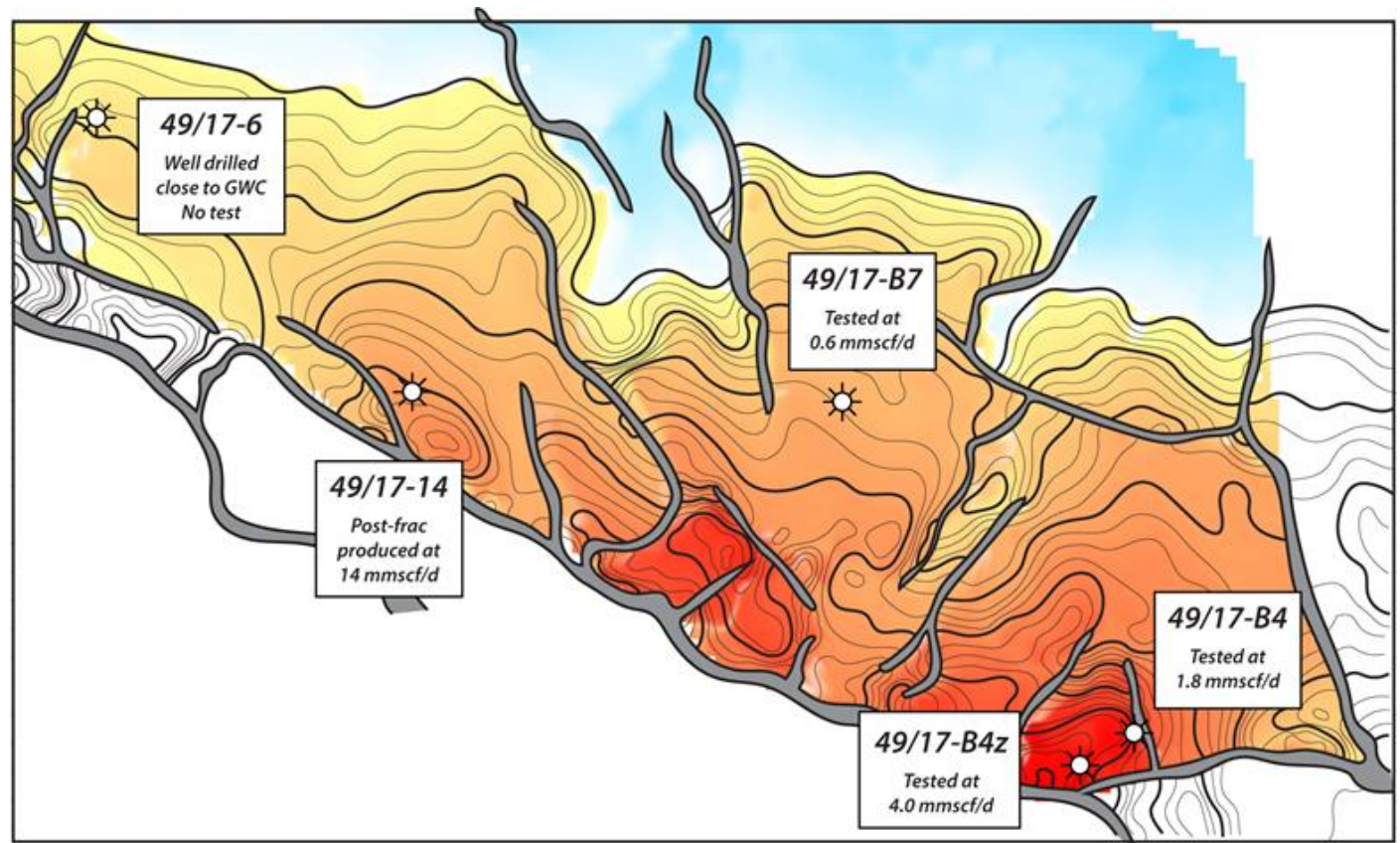




# PHASE I DEVELOPMENT

## ▶ ANNING GAS FIELD

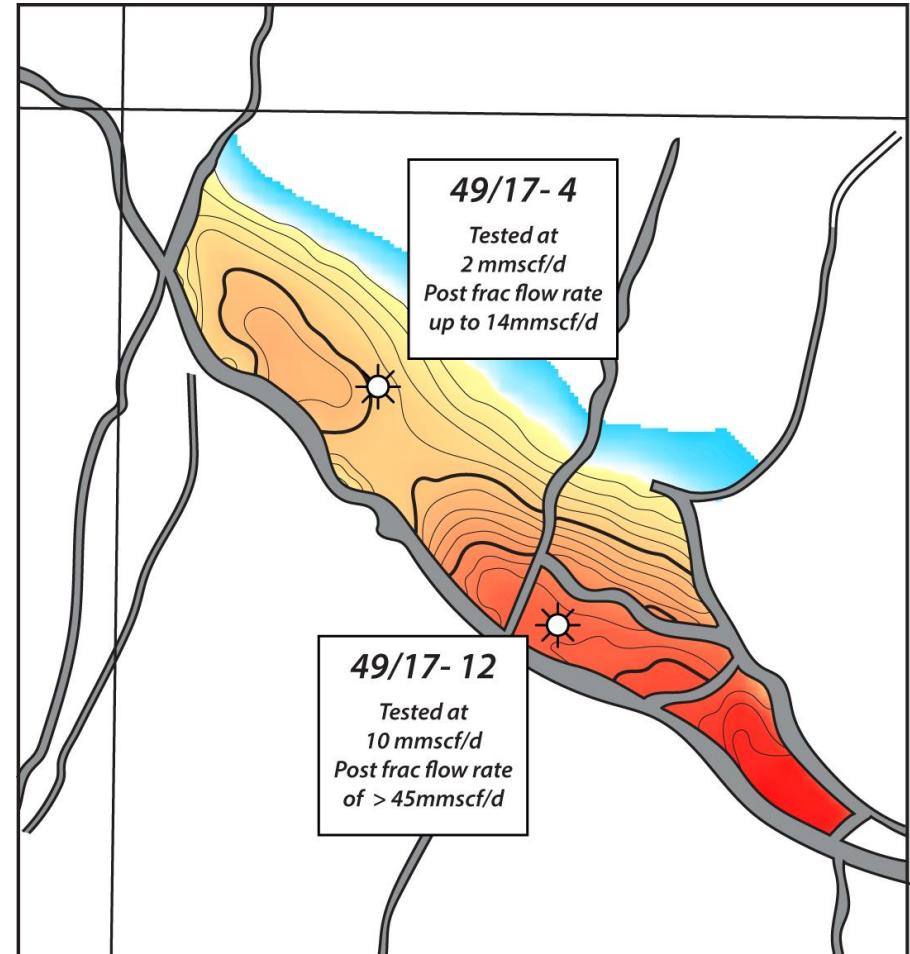
- 2C Resources of 125 Bcf
- Planned development:
  - Three horizontal multi-frac wells
  - Minimum facility unmanned platform
  - Gas export to third party host
  - Gas delivery to Bacton Gas Terminal
- Historical Single Frac in well 49/17-14
  - Initial production at 14 mmscf/d
  - EUR 13 Bcf from this well
- Formerly named Victoria



# PHASE I DEVELOPMENT

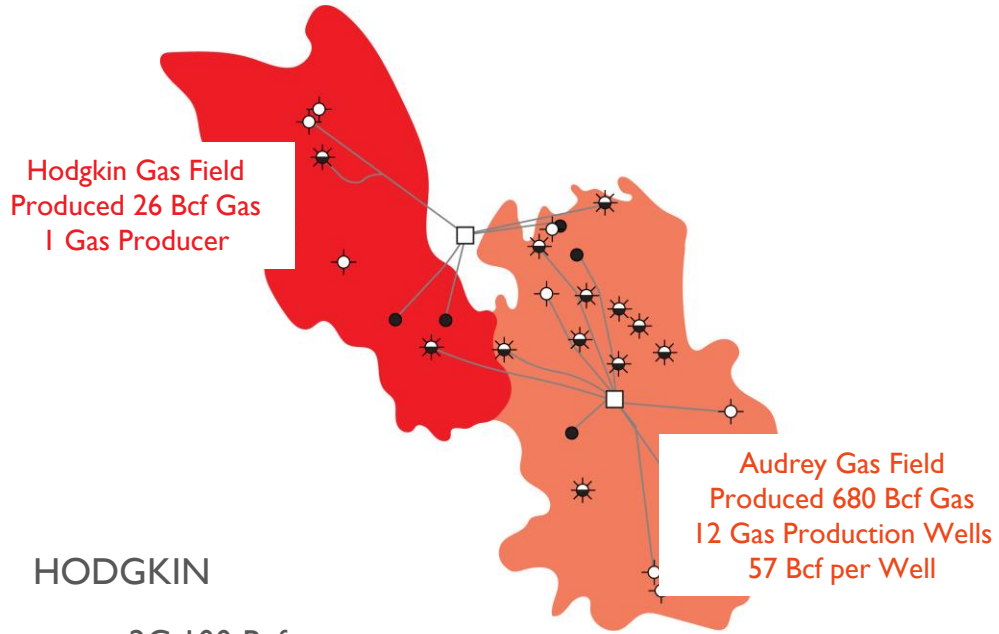
## SOMERVILLE GAS FIELD

- 2C Resources of 100 Bcf
  - Recent 43% increase in GIIP (368 Bcf)
  - Production forecast to be revised
- Planned development:
  - Two or three horizontal multi-frac wells
  - Minimum facility unmanned platform
  - Gas export to third party host
  - Gas delivery to Bacton Gas Terminal
- Historical Two Fracs in well 49/17-12
  - Initial production > 45 mmscf/d
  - EUR 46 Bcf
- Formerly Viking Wx



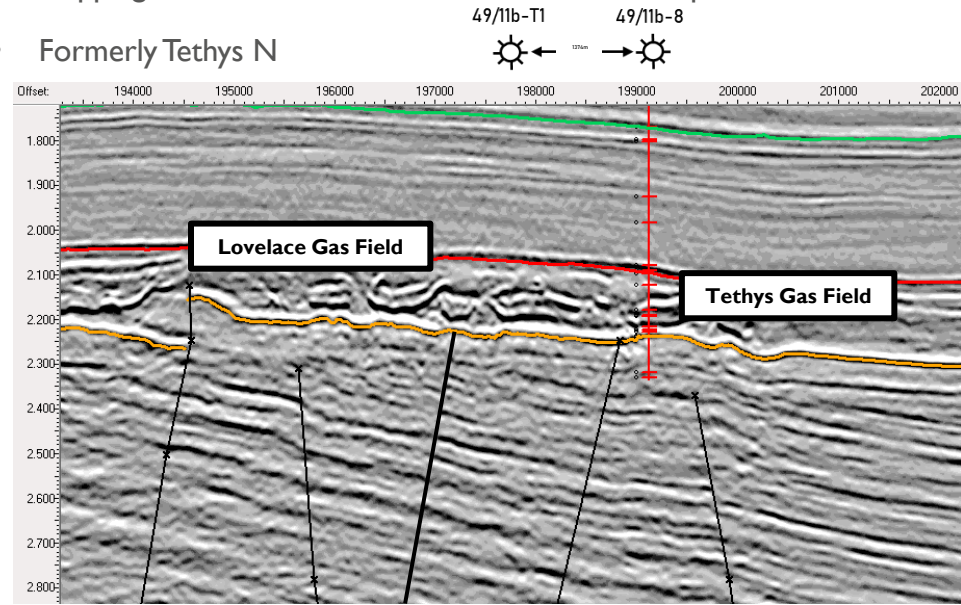
# PHASE II DEVELOPMENT

## HODGKIN & LOVELACE



- HODGKIN
  - 2C 100 Bcf
  - Subsurface work ongoing to refine reservoir model
  - Revised resource estimate Q1 2022
  - Decision on field development planning Q2 2022
  - Single well historically produced 26 Bcf
  - Current mapping indicates significant undeveloped volumes
  - Formerly Audrey NW

- LOVELACE
  - 2C 39 Bcf
  - Likely depends on Audrey development to support infrastructure
  - Single well to south of field produced 18 Bcf
  - Mapping indicates GIIP in northern structural compartment of 130 Bcf
  - Formerly Tethys N

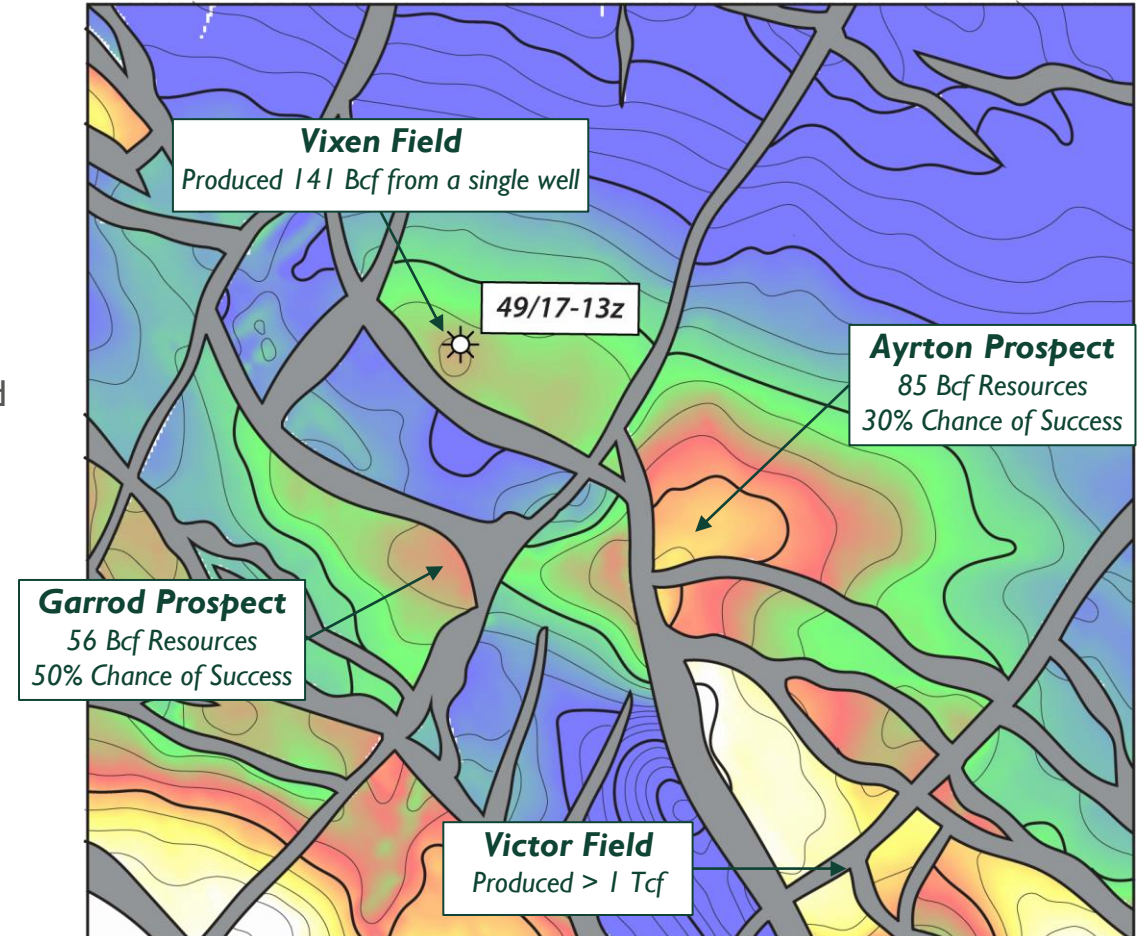




# PHASE III DEVELOPMENT

## EXPLORATION PROSPECTS TO FOLLOW UP PHASE I AND II

- Two undrilled structural traps
- Adjacent to fully developed gas fields
- Clearly imaged on 3D Seismic Data
- High chance of success
- Can be tied-back to Phase I infrastructure and quickly monetised after drilling
- Combined resources of 141 Bcf of gas
- P207 Exploration study underway to identify additional prospectivity

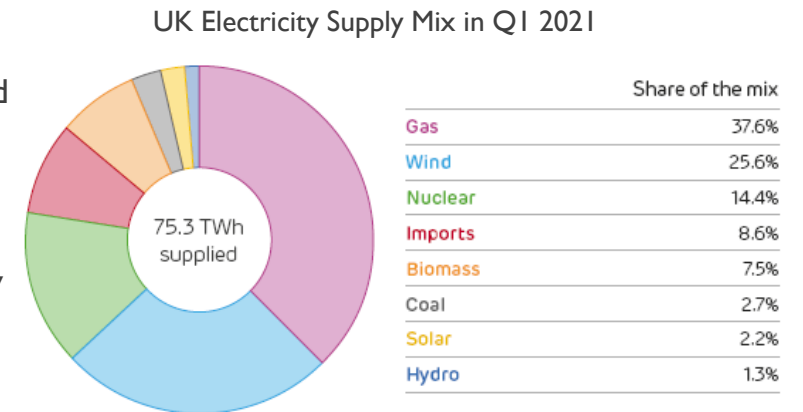


Top Reservoir Structure Map at the Garrod & Ayrton Prospects

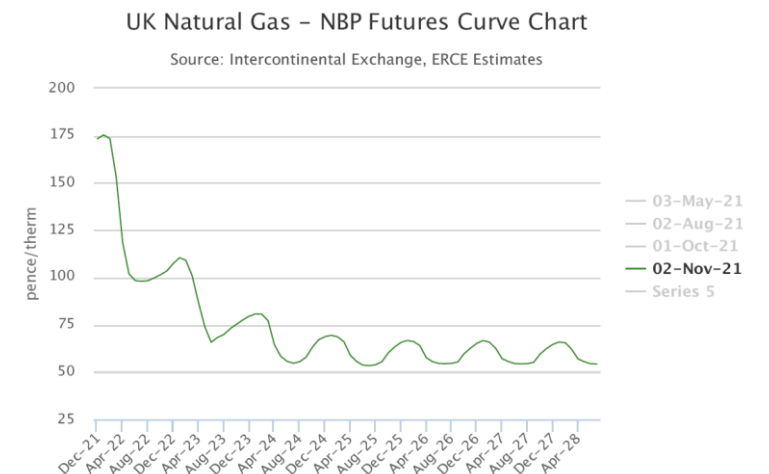
# UK GAS MARKET

## ▶ INTERMITTENT RENEWABLES CAPACITY MEANS THE UK POWER MARKET IS RELIANT ON GAS

- UK transition to renewables is presenting issues for balancing demand
  - Renewables are now a material component of electricity generation mix, but when the wind speed drops...gas has to fill the gap
  - Record levels of power being imported from Europe via interconnectors (7.8GW capacity)
  - UK's two remaining coal power stations due to close in 2022 and 2024 and nuclear capacity being retired
  - New power capacity likely to be met by gas-fired (CCGT) generation
- Natural gas will also provide critical UK domestic & commercial heating support until hydrogen replacement is established
- Supply-side constraints amplified by low storage capacity support a robust UK gas pricing outlook
  - UK gas production meets **c.46%** of current demand, but is increasingly reliant on imports (Norway, LNG, EU Interconnectors)
  - Europe is competing with highly priced LNG cargoes destined for SE Asian markets
  - Lower Russian volumes are entering the EU – Timing/impact of Nordstream-2 uncertain
- UK NBP pricing reverts to **65p+ per therm** in late 2024 when first gas is envisaged from the Phase I projects (approximately A\$9.2 per GJ)



Source: Drax Electric Insights Q1 2021

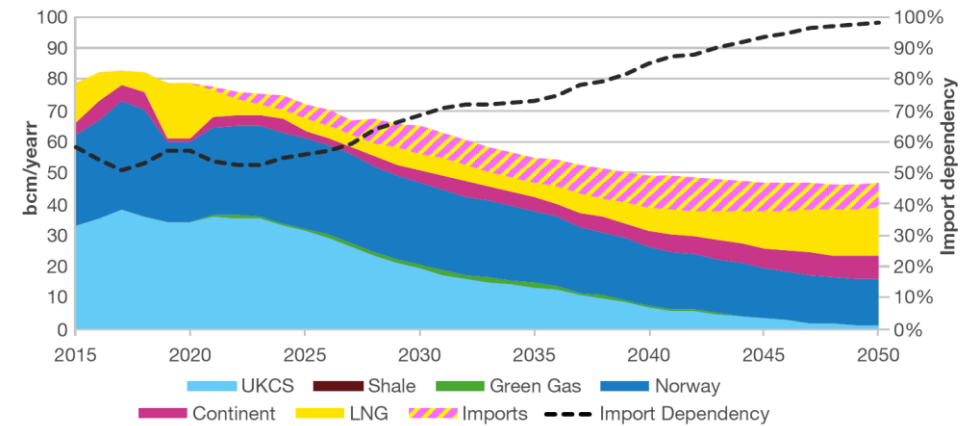




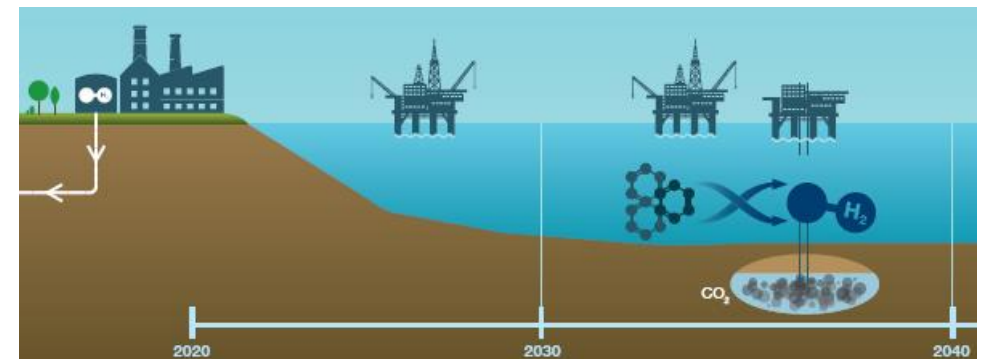
# NET ZERO EMISSIONS & THE ENERGY TRANSITION

## ▶ SOUTHERN GAS BASIN HAS A CENTRAL ROLE TO PLAY IN THE UK 2050 NET ZERO TARGET

- A growing UK gas import dependency points to greater future reliance on LNG volumes
  - Lower carbon intensive domestic gas is critical to the UK 2050 net zero target as import dependency grows
  - Domestic UK gas production has less than half the average emissions intensity than imported LNG
  - “Green LNG”, shipping costs and competition from SE Asia for LNG cargoes likely to lead to increased pricing
- Future hydrogen-led Bacton Energy Hub identified by the OGA
  - Bacton is Hartshead’s planned processing terminal and gas could be used as feedstock for Blue Hydrogen
  - Wind infrastructure within Bacton Catchment Area could provide power to offshore installations
  - Hartshead offshore infrastructure could be used in future carbon capture and electrification projects



Source: nationalgridESO – Future Energy Scenarios (July 2021)



Source: OGA Bacton Energy Hub Study 2021



# UK NORTH SEA PEER GROUP TRADING AND EXIT MULTIPLES

## ▶ HARTSHEAD IS TRADING A MATERIAL DISCOUNT TO ITS NORTH SEA PEERS

Company	2P Reserves (mmboe)	Contingent (2C) Resources (mmboe)	Prospective (P50) Resources (mmboe)	EV (US\$ millions)	2P/2C Ratio	EV/2C (US\$/boe)	EV/2P (US\$/boe)	EV/(2P+2C) (US\$/boe)
IOG	28.1	11.4	22.1	243.9	2.5	21.4	8.7	6.2
Kistos	19.7	99.1		333.2	0.2	3.4	16.9	2.8
Serica Energy	61.0	0.0	111.7	638.0	0.0	0.0	10.5	10.5
EnQuest	189.0	279.0	450	1,802.9	0.7	6.5	9.5	3.9
<b>Average</b>					<b>1.1</b>	<b>10.4</b>	<b>11.4</b>	<b>5.8</b>
Hartshead Resources NL	0	37.4	0	25.5	0.0	0.7	0.0	0.7

Equity prices as at close on 16 November 2021

Vendor	Acquirer	Asset(s)	Consideration (US\$)	Net 2P + 2C Reserves & Resources	EV/(2P+2C) (US\$/boe)
IOG	CalEnergy	50% of UK SNS Assets	94.0	35.3	2.7
Tulip Oil NV	Kistos	Q-10A, Q10-B, Q11-B and M10/M11	262.6	90.2	2.9
E.On	Premier Oil	UK Gas Portfolio	120	38	3.2
SSE	Viaro	UK Portfolio	164	30	5.5
<b>Average</b>					<b>3.5</b>



# ESG STRATEGY

## ▶ ESG IS INTEGRAL TO THE DEVELOPMENT OF HARTSHEAD'S BUSINESS



### Environmental

- Emissions impact assessment over project life to form part of the Phase I Concept Select
- Intention for unmanned platforms to use renewable energy sources e.g. wind power
- Anticipated use of low carbon impact biodiesel for periods of manned platform activity and/or higher power generation requirements
- Platforms to potentially utilise topside facilities and process equipment with minimal connections to reduce CH<sub>4</sub> emissions



### Social

- Multiple stakeholder engagement underway
  - OGA: Inclusion within Bacton Energy Hub Special Interest Groups
  - BEIS: Appointment of Hartshead Environmental Management Team Liaison Manager
- New Safety and Environmental Management System (SEMS) being implemented across Hartshead operations



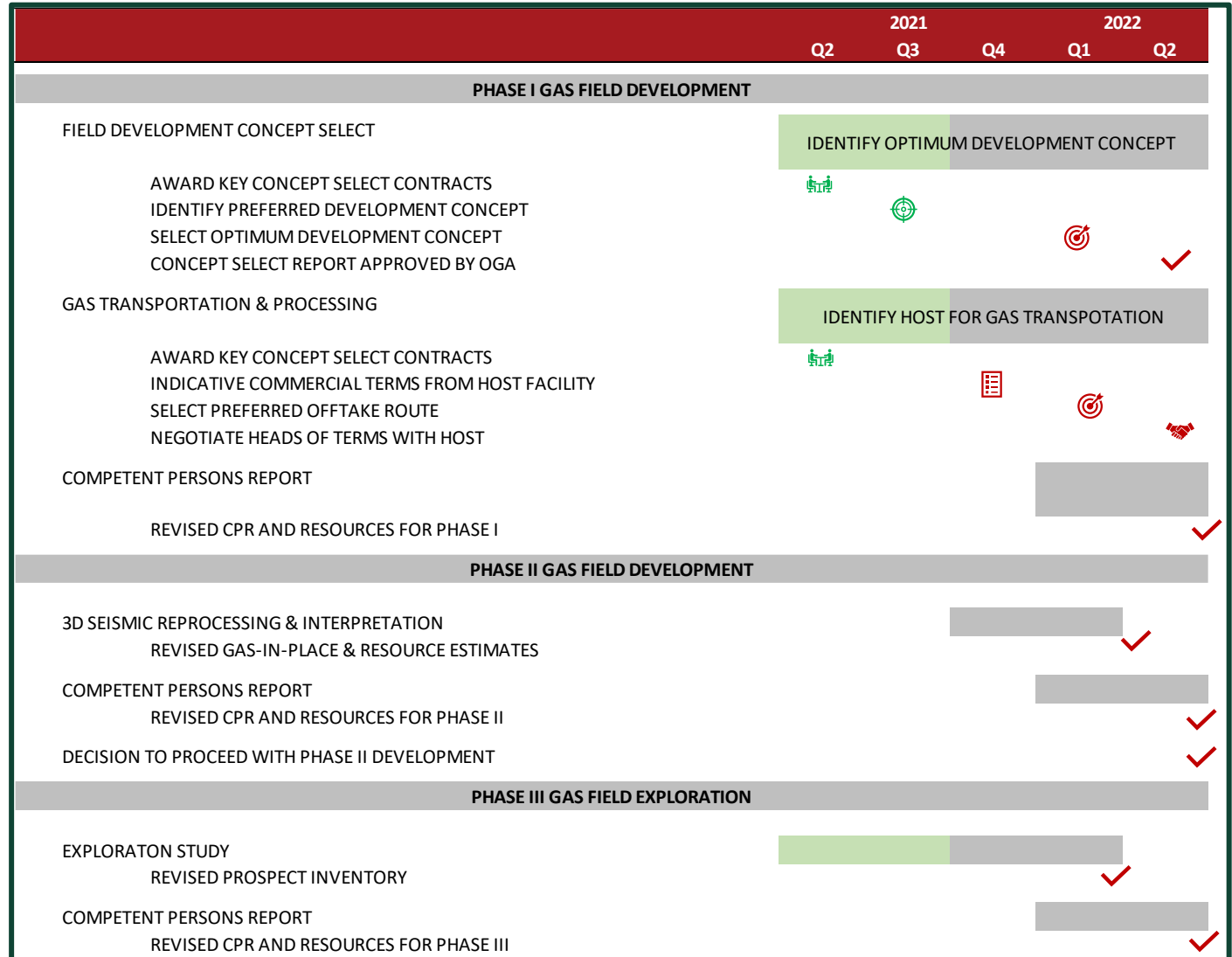
### Governance

- ASX compliant Corporate Governance Statement updated each year
- New ASX ESG reporting standards adherence
- Adoption of ASX Corporate Governance Council benchmark Principles 7.4
- New Business Management System (BEMS) implemented across Hartshead operations
- Executive remuneration subject to peer group benchmarking analysis

# NEXT STEPS

## NINE MONTH OUTLOOK

- Activities across all three phases
- All workstreams now underway



## CONTACT

Email: [info@hartshead-resources.com](mailto:info@hartshead-resources.com)

Web: [hartshead-resources.com](http://hartshead-resources.com)





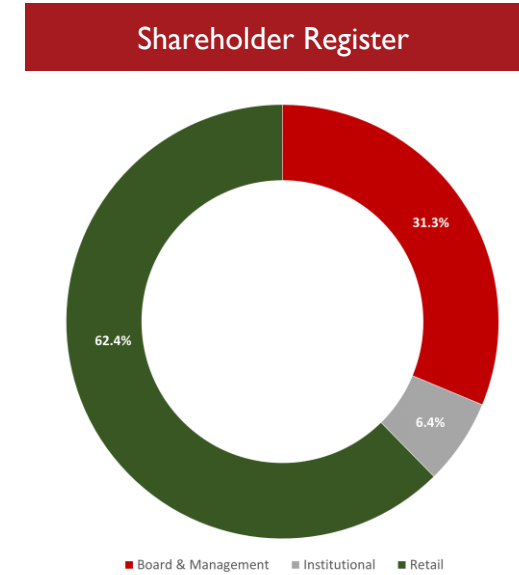
# APPENDIX I - CORPORATE PROFILE

## ▶ BOARD AND MANAGEMENT INCENTIVISED THROUGH MATERIAL SHAREHOLDING

Capital Structure	
Market:	ASX
ASX Code	HHR
Share price (17/11/2021)	A\$0.022
<b>Total Ordinary shares</b>	<b>1,849,772,127</b>
Partly Paid Shares	5,703,550
Options	20,000,000
Performance Rights	108,884,991
<b>Market Capitalisation</b>	<b>A\$41 million</b>
Cash and cash equivalents*	~ A\$5.7 million

\*As reported at 30 September 2021 (ASX Q3 2021 Quarterly Report)

Board and Management	
Non-Executive Chairman	Bevan Tarratt
Chief Executive Officer	Chris Lewis
Chief Financial Officer	Dr Andrew Matharu
Executive Director	Nathan Lude



# APPENDIX II – RESOURCE ESTIMATES

## ▶ PHASE I – AUDITED CONTINGENT RESOURCES BY OPC

CONTINGENT RESOURCES (Bcf)				
PHASE I PROJECTS		1C	2C	3C
Anning	49/17b	84	125	177
Somerville	49/17b	62	90	124
Combined <sup>†</sup>	49/17b	161	217	285

## PHASE II AND III – MANAGEMENT’S ESTIMATE OF CONTINGENT AND PROSPECTIVE RESOURCES

CONTINGENT RESOURCES (BCF)			1C	2C	3C	GCoS
PHASE II	49/6c, 49/11c	Lovelace	14	39	70	100%
	48/15c	Hodgkin	35	100	387	100%

PROSPECTIVE RESOURCES (BCF)			P90	P50	P10	GCoS
PHASE III EXPLORATION	49/17b	Garrod	29	56	94	50%
	49/17b	Ayrton	43	85	142	30%



# APPENDIX III – BOARD OF DIRECTORS

## ENTREPRENEURIAL BOARD WITH PROVEN CORPORATE EXPERIENCE IN THE OIL & GAS SECTOR



**Bevan Tarratt**  
Non-Executive Chairman

- Bevan has an extensive background in the corporate and financial services industries having worked in various accounting and corporate broking firms for the past 15 years.
- Bevan has significant experience in the recapitalisation, restructuring and acquisition of assets for numerous ASX companies and was a Client Advisor at Patersons Securities and Partner of a venture capital firm.
- Well experienced in executive and non-executive board roles with over 20 years of experience.



**Chris Lewis**  
Chief Executive Officer

- Chris is a geophysicist and oil & gas professional with 25 years+ experience
- Experience gained with a spectrum of oil majors, small-mid caps, start-ups and consultancies
- Executive and board experience with geographical expertise in Africa, North Sea, CEE and Australasia
- Successful monetisation with Centric Energy, Lion Petroleum, ZETA Petroleum and Blackstar Exploration.



**Andrew Matharu**  
Chief Financial Officer

- Andy has 25 years+ experience across the oil & gas industry and equity capital markets
- Commenced career as a Petroleum Engineer with Chevron and Kerr McGee in the UK North Sea
- Experience gained in corporate advisory, strategy, M&A and business development
- Experience of financing numerous small to mid-cap E&P and services companies
- VP Business Development at Tower Resources plc – corporate & asset M&A and capital raisings.



**Nathan Lude**  
Executive Director

- Nathan has broad experience working in Asset Management, Mining and the Energy Industry.
- Nathan is well experienced in project identification and project development for multiple ASX companies
- Previous roles include Business Development Management role for a large Canadian energy company and Executive Director roles for a number of ASX-listed companies.
- Nathan's business network spreads across Australia and Asia and has strong ties with Australian broking firms, Australian and Asian institutions and investors.



# APPENDIX IV – PROJECT MANAGEMENT TEAM

## BROAD AND DEEP MANAGEMENT EXPERIENCE WITHIN OIL & GAS SECTOR AND UK NORTH SEA



**Jeff Barnes**

**Project Developments Manager**

- Seasoned industry player with over 40 years' upstream oil & gas experience
- Managed 14 UK Southern Gas Basin developments and infrastructure projects within his 31-year tenure at ConocoPhillips (UK) Limited
- Industry recognised within the UK Southern North Sea with a track record of delivering successful UK capital projects
- Previously Director of New Ventures at ODE (Offshore Design Engineering) Limited and a member of ODE's Executive Management Board Jeff has operated at Director and Project Management levels across UK and international business.



**Steve Roser**

**Commercial Manager**

- Proven commercial manager and seasoned negotiator with over 30 years' experience
- Extensive track record in delivery of major projects in the upstream oil & gas sector
- Extensive experience of UK Southern Gas Basin and wider UKCS during commercial management roles within British Gas, Amerada Hess and Phillips Petroleum
- Since 2003 has acted for energy majors, utilities and AIM-listed companies in the role of Commercial Advisor, often working at CEO or Operations Director level
- Former board Director of Interconnector UK Limited.



**Neil Marcus**

**Subsurface Manager**

- Professional engineer with 40 years' experience in the upstream oil and gas business
- Early career working on North Sea Projects in the UK and Norway with Conoco
- Subsequently worked on assignments with Premier, BHP, Repsol YPF and Cairn on development projects in Pakistan, Algeria, Argentina and India
- From 2009 to 2017 focused on the UK Southern Gas Basin, where he led the development of the Clipper South tight gas field for RWE and Ineos.



**Don Ferguson**

**Operations Manager/Advisor**

- 37 years' experience and trained as a Petroleum Engineer with Conoco in the UK and internationally
- Founder shareholder of UK SNS focussed Highland Energy and Caledonia Oil & Gas, both having highly successful growth and exit histories
- From 2007 to 2011 was a Director at First Reserve Corporation - serving as Board advisor for two North American E&P companies
- COO of Hansa Hydrocarbons, an E&P company focused on the UK and Dutch sectors of the SNS which exited to Discover Exploration in 2018.



# APPENDIX IV – PROJECT MANAGEMENT TEAM

## BROAD AND DEEP MANAGEMENT EXPERIENCE WITHIN OIL & GAS SECTOR AND UK NORTH SEA



**Adam King**  
**Procurements Manager**

- Adam has 30 years' experience in a variety of roles with Worley Parsons, Snamprogetti, British Gas, BP Exploration, Nexen Petroleum and the UK Southern Gas Basin with RWE
- Acted as contracts specialist on projects ranging from TengizChevroil, Kashagan, Azeri-Chira/Shah Deniz and Deepwater Angola Block 31 through to UKCS developments such as Buzzard, Golden Eagle and Breagh
- Adam's skill-set encompasses the pre- and post-contractual service stages of tendering, cost advice and contracts planning.



**Steve Smith**  
**QHSE Manager**

- 40 years experience in engineering and upstream oil & gas Health, Safety and Environment (HSE) and Quality Assurance; Steve is industry recognised within QHSE
- Steve has worked with numerous UK North Sea operators including British Gas, Total, Wintershall, Highland Energy, RWE Dea and Hansa Hydrocarbons, Alpha Petroleum managing all aspects of their QHSE requirements
- Extensive experience in QHSE Management System Development, Emergency Response Management and Training, and Contingency Planning.