



Botala Energy Ltd

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# Botala Energy Ltd

Good Oil Conference, Perth Sept 2024

CEO – Kris Martinick





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The information in this document that relates to petroleum or gas reserves, contingent resources or prospective resources for the projects in which Botala Energy has acquired tenure over was released in the Company's prospectus lodged with ASIC on 16 May 2022 in respect of its initial public offer of shares on ASX. Botala Energy confirms that it is not aware of any new information or data that materially affects the information in this document.

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# Reporting Notes

## **Prospective Resources Cautionary Statement**

For prospective resources, the estimated quantities of petroleum that may potentially be recovered by the application of a future development project(s) relate to undiscovered accumulations. These estimates have both a 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 recoverable hydrocarbons. See slide 5.

## **Prospective Resources Reporting Notes**

1. The prospective resources information in this document is effective as of the date of the Prospectus (Listing Rules (LR) 5.25.1).
2. The prospective resources information in this document has been estimated and is classified in accordance with SPE-PRMS (Society of Petroleum Engineers Petroleum Resources Management System) (LR 5.25.2).
3. The prospective resources information in this document is reported according to the Company's economic interest in each of the resources and net of royalties (LR 5.25.5).
4. The prospective resources information in this document has been estimated and prepared using the deterministic method (LR 5.25.6).
5. This document does not include estimates of petroleum reserves, contingent resources and/or prospective resources in units of equivalency between oil and gas (LR 5.25.7).
6. This document does not include estimates of petroleum reserves (LR 5.26.5).
7. Prospective resources are reported on a low, best and high estimate basis (LR 5.28.1). See slide 5.
8. For prospective resources, the estimated quantities of petroleum that may potentially be recovered by the application of future development projects relate to undiscovered accumulations. These estimates have both an associated risk of discovery and a risk of development. Further appraisal and evaluation is required to determine the existence of a significant quantity of potentially moveable hydrocarbons (LR 5.28.2).
9. In respect to the contingent and prospective resources referred to in this document, Botala's working interest is 100% as at the date of this document.
10. The contingent and prospective resources and the methodology for their estimation is set out in the Prospectus.
11. Botala deems the chance of discovery of methane in the target coals to be excellent with a probability of greater than 90% (LR 5.35.3).
12. Prospective resources are un-risked and have not been adjusted for an associated chance of discovery and a chance of development (LR 5.35.4).



# CORPORATE OVERVIEW

## Botala Energy Highlights

- 100% owner and operator Serowe CBM Project (Sharpay Pty Ltd)
- ASX and BSE Listed with Perth and Gaborone offices
- Operational team in Gaborone and Serowe
- Specialist support on contract
- Gas resource independently certified<sup>1,2</sup>
- Solar Projects in development
- Environmental approvals in place
- Experienced Directors & Management team:
  - Executive Chairman – Wolf Martinick
  - CFO / Company Secretary – Craig Basson
  - Non-Executive Director – Peter Grant
  - Senior Geologist – Geneva Cross
  - CEO – Kris Martinick
  - Country Manager Botswana - Modisana Botsile
  - Country manager RSA - George Enslin
  - Exec GM Project Development – Steve Lennon

## Top 5 Shareholders

Shareholder	Shareholding	Ownership
Wolf Gerhard Martinick (Chair)	48.9m	25.4%
Pure Hydrogen Corporation Ltd	39.7m	19.9%
Kris Francis Martinick (CEO)	11.7m	6.1%
Corpserv Pty Ltd (CFO)	5.8m	3.0%
Martinick Investments Pty Ltd (Chair)	3.0m	1.5%
Top 20 shareholders	146.2m	75.8%
Board ownership + CEO	72.0m	36.2%

## Capital structure

Current Share Price <sup>4</sup>	\$0.075
Market Capitalisation	\$15 million
Shares on Issue	199,369,596
Cash (AUD)	~A\$1m

<sup>1</sup>Independently Certified. Sproule, Gross estimated resource

<sup>2</sup>In respect of the prospective resources, the following cautionary statement applies: the estimated quantities of petroleum that may potentially be recovered by the application of a future development project(s) relate to undiscovered accumulations. These estimates have both a 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 recoverable hydrocarbons





## The 2026 Gas Cliff - Southern Africa

Sasol's Announcement:  
Reducing gas supply by June 2026 (2027) due to  
depleted Mozambican gas fields (Pande and  
Temane).  
3400 PJ of gas by 2030

\*Electricity Demand:  
100GW of new capacity needed by 2030

(Source\*IEA African Energy Outlook 2022)





# Master Plan LNG Imports

- a. Reliance on Importing LNG to alleviate Gas Crisis.
- b. No plants have reached FID



Source: Department of Resources and Energy Draft Gas Master Plan, 2024, RSA Government Gazette April 2024, Pg21.



## IGUASA Exec report 2023

Infrastructure Capacity plans vs. Demand are not aligned :

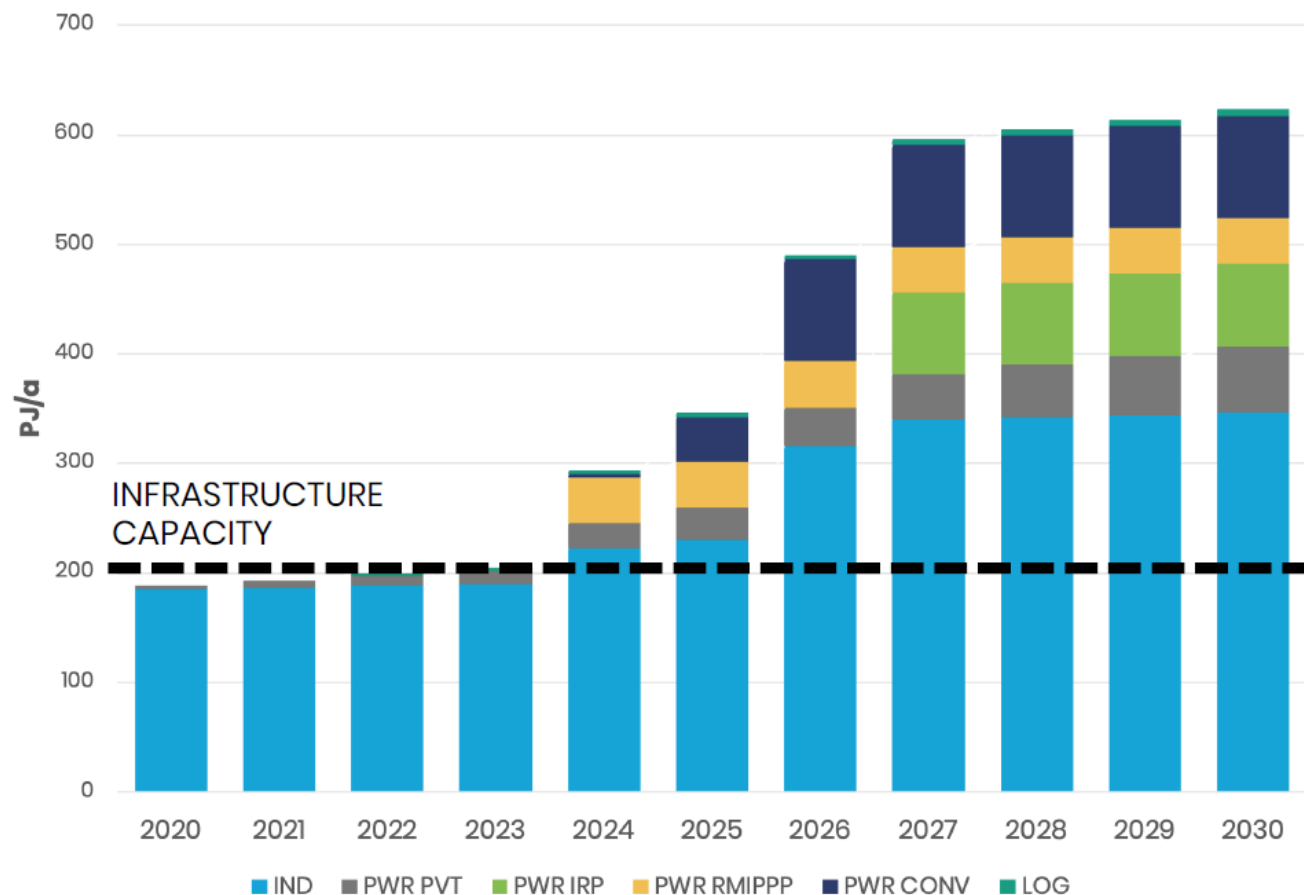
- x Sasol supply ending by 2026 (KZN)
- x Sasol supply 42% less by 2030 (GP, MPU)
- x Lack of integrated gas energy infrastructure plans
- x Lack of gas energy industrialisation plans
- x Lack of investment framework in the gas energy sector
- x Lack of urgency and misalignment of timelines
- x Gatekeeper and market roles of SOE's (Transnet / CEF) not sustainable

IGUASA Exec Report 2023



Gas Policy

## Gas Industrialisation Plan – Economic Risks



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# Evolution of CBM Gas in Botswana



**Discovery** – First discovered early 2000s.

Initially, emulate Queensland, Australia, by exporting gas via pipelines for LNG trains to Asia.



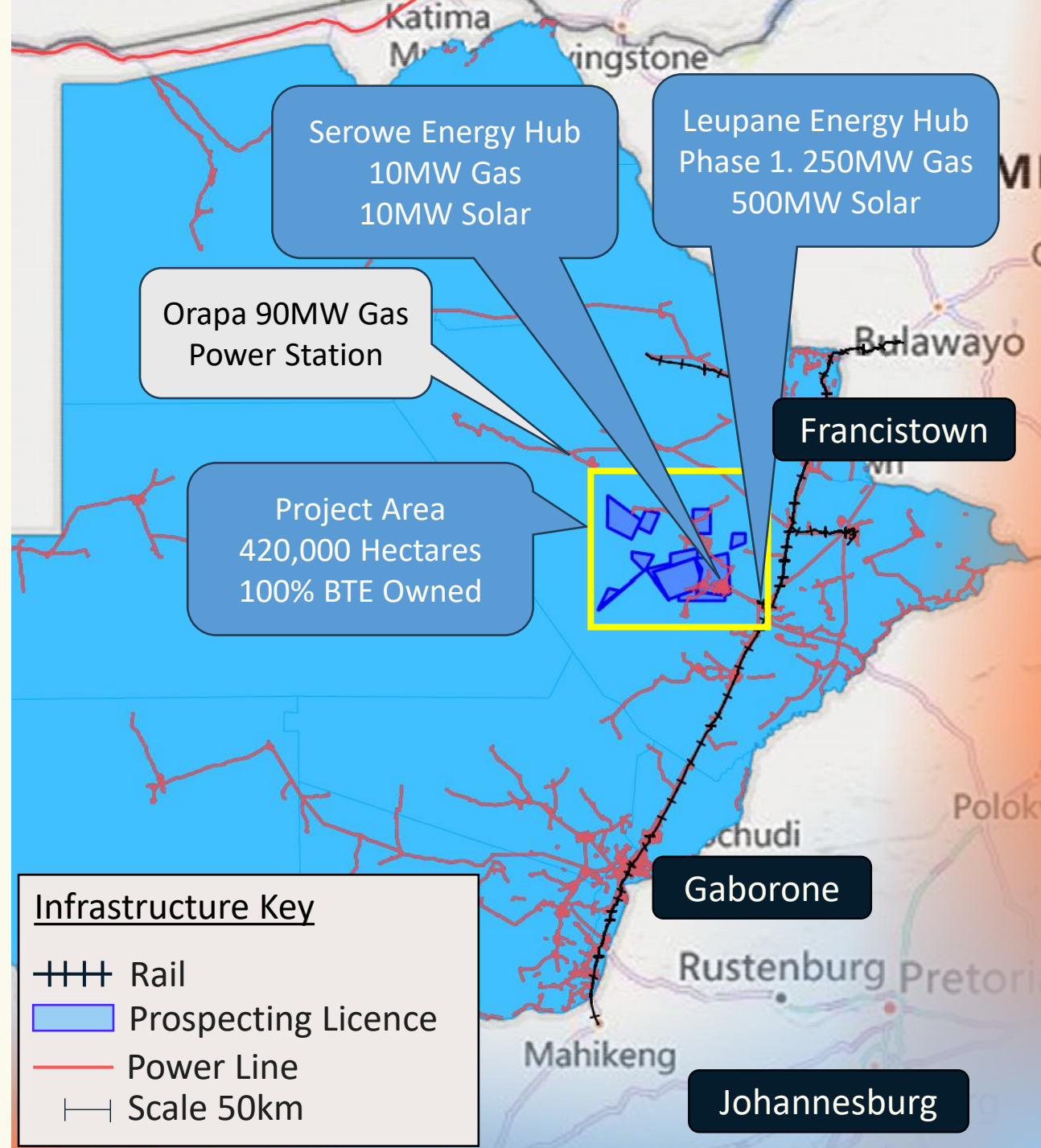
**Challenges** – Botswana's landlocked position made large-scale export to Asia impractical. Presence of local market was not appreciated because of coal



**Current Market Readiness** - Today, Botswana is politically stable and considered land-linked, with a high demand for energy in the region.



**Strategic Advantage** - Botswana is now positioned to meet this demand with its Serowe CBM Project, leveraging local and regional infrastructure.





# Botala Energy's Competitive Advantage

- a. 100% Ownership of Serowe Coal Bed Methane (CBM) Project: Acquired remaining 30% from Pure Hydrogen to streamline operations and planning.
- b. Project Robustness: technical and commercial viability:
  - Resources: 7 Tcf Prospective Resource and 454 Bcf Contingent Resource certified by Sproule.
  - Infrastructure: Strategic location near existing infrastructure for rapid development.
  - Desorption Testing: Ongoing tests exceeding expectations with promising sustainable gas flow rates expected by Q3/2024.
  - Competitive wellfield development cost.
- c. Strategic Partnerships: Advanced discussions with large local partners to fast-track development and meet market demand.

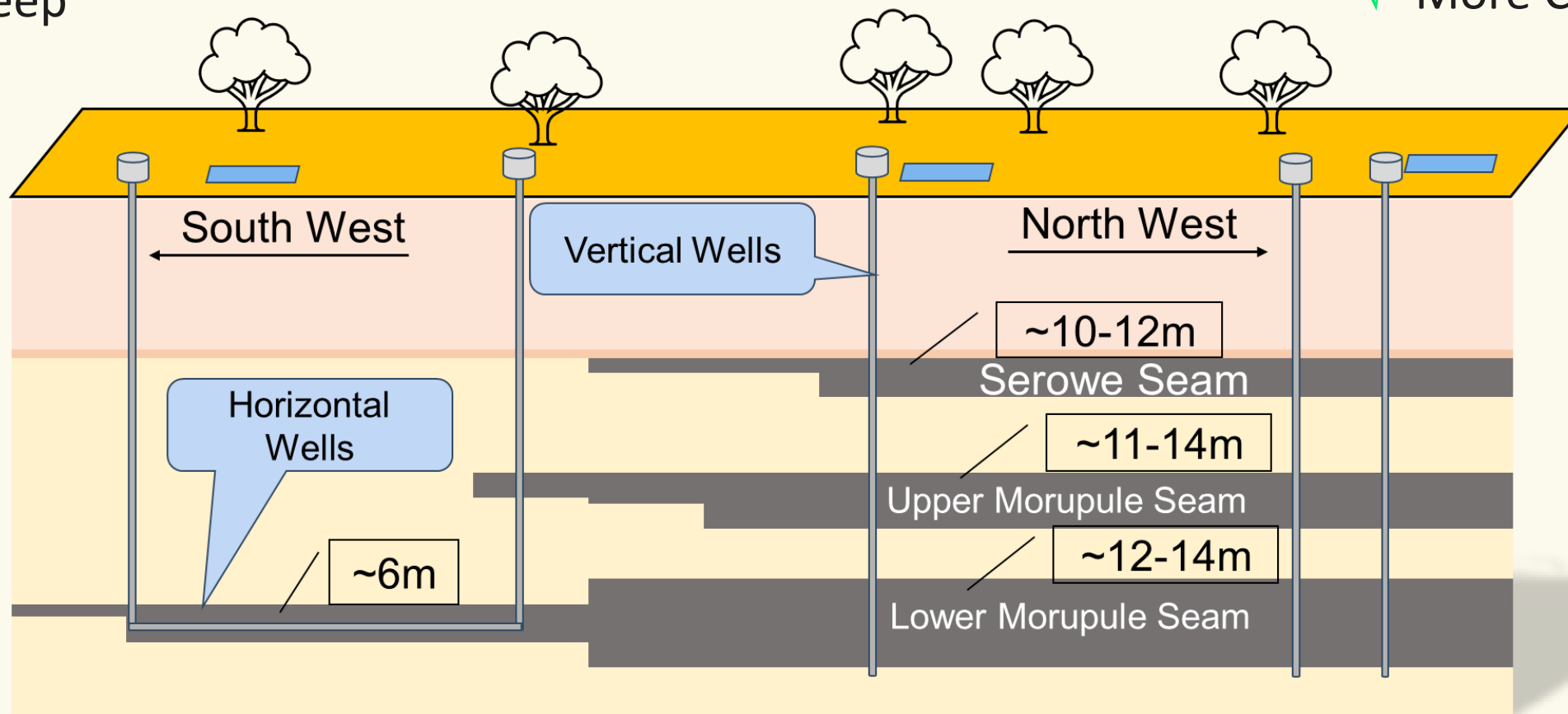




# Primary Target – Upper Coal Seams

- ✗ High Cost
- ✗ Complex
- ✗ Deep

- ✓ Low Cost
- ✓ Simple
- ✓ More Coal







# Botala's Certified Gas Resource<sup>1</sup>

Volumes in BCF (Billions of Cubic Feet)	Gross (100% Ownership) Net of Royalties		
	Low Estimate	Best Estimate	High Estimate
Contingent Resources	363	454	544
Prospective Resources	5,334	7,112	8,890

<sup>1</sup>Unrisked Contingent and Prospective Resources; independently certified by Sproule, 1 July 2024

South African gas supply gap estimated at >50 PJ pa (approx. 50 BCF pa) by 2026 (IGUASA Annual Report 2023)

Component	CBM Concentration (%)
Methane	90 - 94
Nitrogen	7 - 8
Iso-butane	0.01
Carbon Dioxide	0.52

<sup>2</sup>Gas composition analysis completed by BITRI, gas samples taken from Serowe 3-1 and Serowe 3-4.



## S3-4 Cores Serowe Coal

Vitrinite From 361m

Calcite filled fractures with cleats and bedding planes



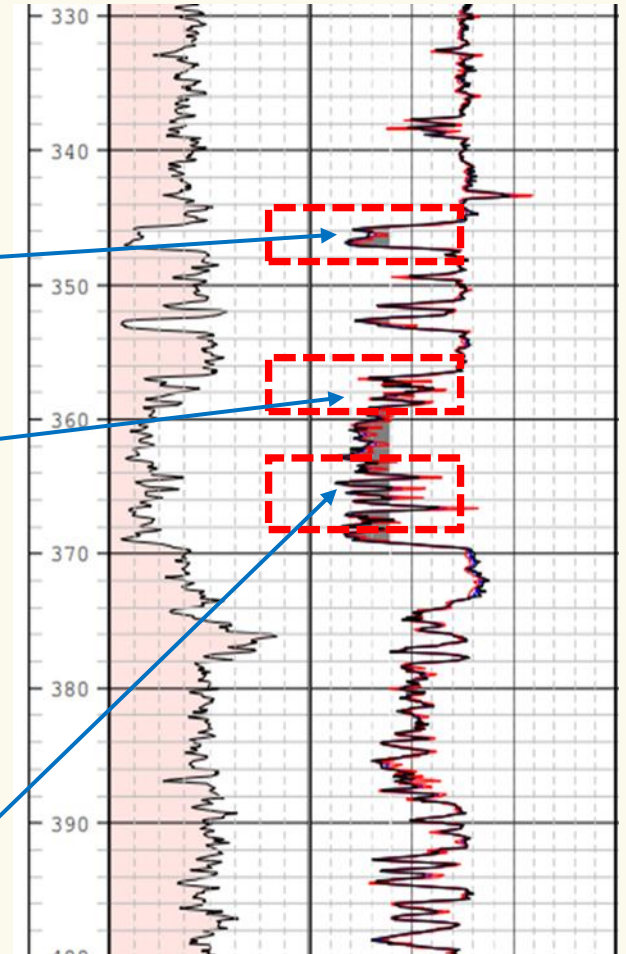
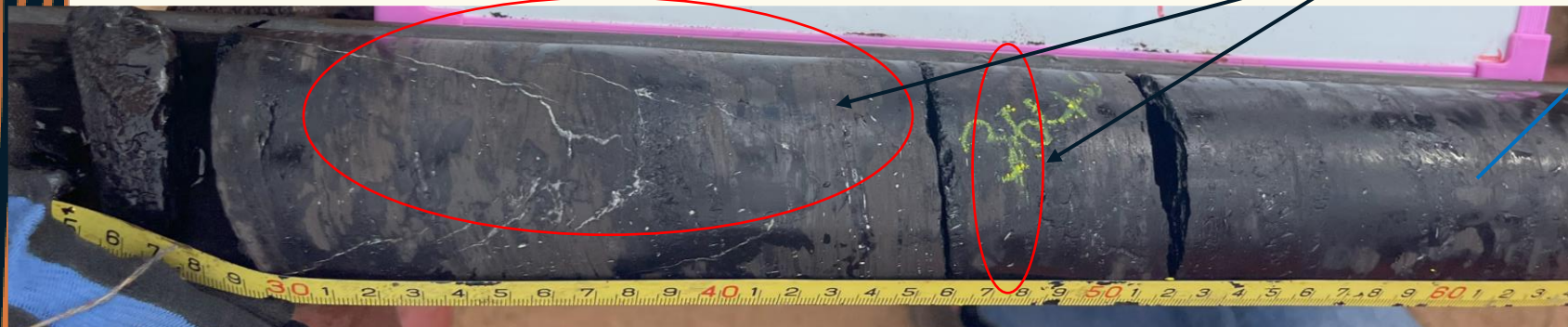
Cleaty Vitrinite 359m



Slightly less bright corresponds to wireline with lower resistivity compared to more cleated and vitreous sections of core above and below.



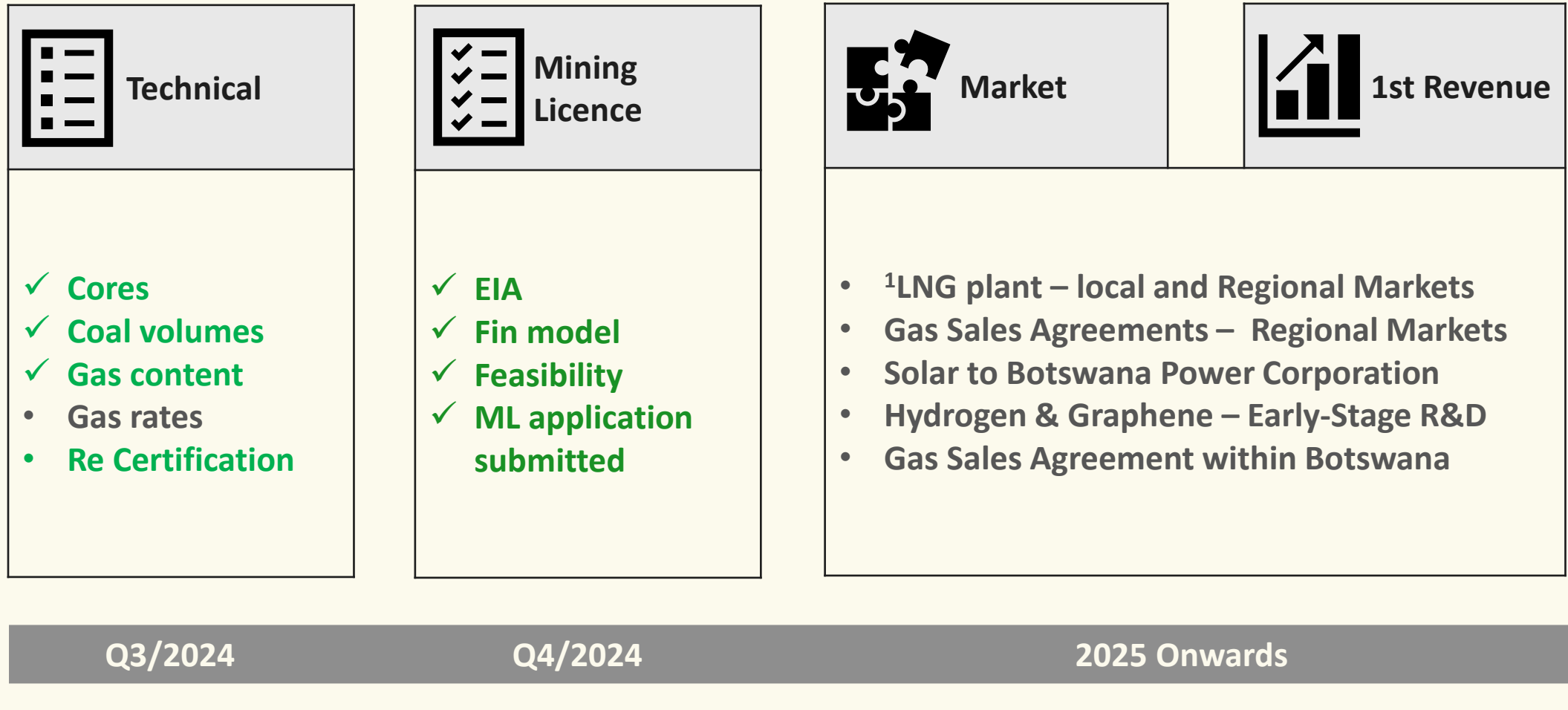
Calcite filled veins along planes within a vitreous coal with bands of cleated vitrinite







# Project Pitse: Pathway to Commercial gas



Completed  Work in progress  Not yet commenced 

<sup>1</sup> Botata has completed pre-feasibility work on an LNG concept which has the potential to distribute LNG via trucks from the field, the decision to proceed is based on further engineering work and commercial negotiations. Options to feed into the existing South African pipeline network are also being assessed



Key Milestones	Status	Key Targets
Gas Desorption Testing	Ongoing – Exceeding expectations	QT > 2.4 m <sup>3</sup> /t
Gas Sampling	Completed – Exceeded Expectations	CO2 < 10%
Gas Flowrate	Pitse under construction	Low > 40 mscfd Med > 80 mscfd
Recertification	Completed	454bcf (2C)
EIA Upstream – Field Development Downstream – Serowe Downstream – Leupane	✓ Awarded ✓ Final Stage Awarded	
Commercial	Negotiations* underway	Power Purchase Agreement Gas Allocation for Development Gas Sales Agreement
First Commercial gas	Bankable feasibility study initiated	First gas to market by mid 2026

*\*These discussions are subject to ongoing negotiations and the parties agreeing binding documentation and, as such, investors are cautioned not to place undue reliance on any such transactions materialising. The Company will keep the market informed in accordance with its continuous disclosure obligations*



# Botala Energy Ltd

## Ke A Leboga

Thank You

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