



# ***DISCOVER*** **TMK ENERGY LIMITED**

*Developing the South Gobi's Giant Natural Gas Resources*



**September 2022**

 [www.tmkenergy.com.au](http://www.tmkenergy.com.au)



# ABOUT **TMK ENERGY** LIMITED

Telmen owns the Gurvantes XXXV Project that is an exploration project for Coal Seam Gas ('CSG') in Gurvantes and Noyon, Umnugobi, Mongolia, and the Napoleon Project in Perth, Australia. We are working to intensify our exploration activities and commence our pilot project in Mongolia this year.



## CORPORATE SUMMARY

Company Name:	TMK Energy Limited(ASX:TMK)
Ordinary Shares:	3.5B
Market Cap( at 1.4c )	\$49M
CEO	Brendan Stats

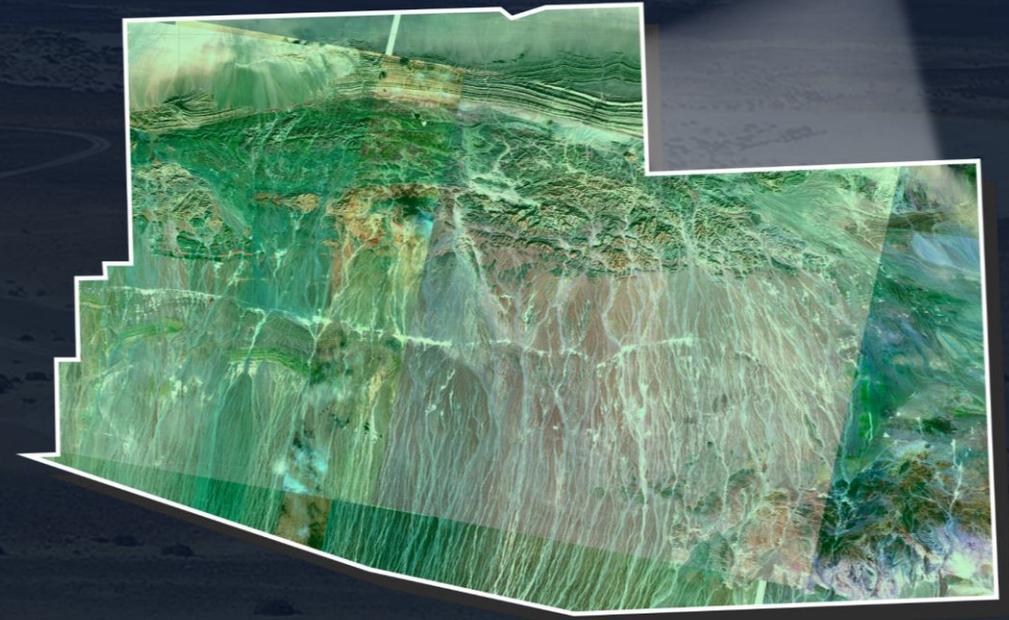
# GURCANTES-XXXV PROJECT



## PROJECT SUMMARY

Project:	Gurvantes - XXXV
Location:	South Gobi Basin, Mongolia
Tenure:	PSC, Exploration License
Tenement Size:	8400km <sup>2</sup>
Resource:	5.96 TCF (2U) Coal Seam Gas*

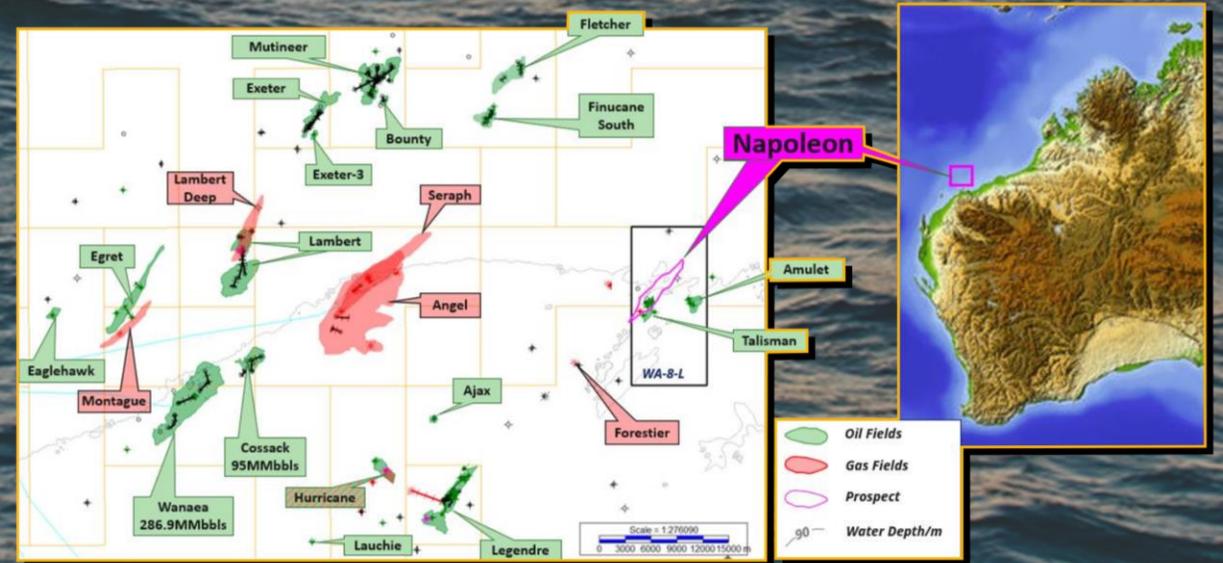
*\*Please refer to Slide 6 for the Cautionary Statement and other information relevant to the resource estimations.*



# NAPOLEON PROJECT

## PROJECT SUMMARY

Project:	Napoleon project
Location:	Australia
Tenure:	Exploration License
Size:	400km <sup>2</sup>



# COMPANY MILESTONES



# EXPLORATION RESULTS – 100% SUCCESS

- ▶ Successful exploration results due to targeted drilling based on extensive pre-existing drill data.
- ▶ NSAI certified Prospective Resource (2U best case) of 5.96TCF.
- ▶ The project area is 20 km away from SHIVEE KHUREN Port.
- ▶ Mongolian – Australian expertise combining skillsets to undertake the exploration work.
- ▶ Maiden exploration drilling program due to be completed shortly.
- ▶ Work program 100% funded by farm-in partner Talon Energy.

Gurvantes XXXV CSG Project – Gross (100%) Prospective Gas Resources (TCF)\*

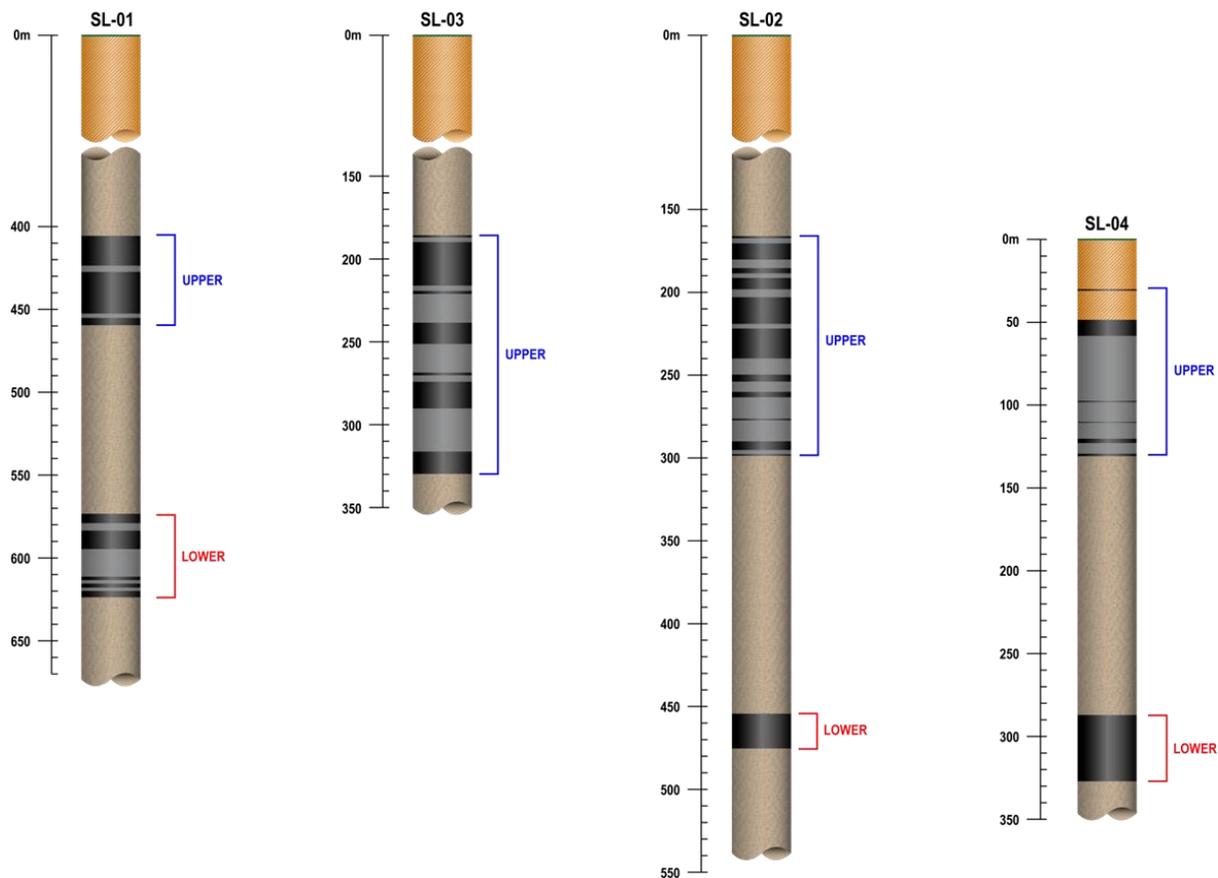
Region	Unrisked Prospective Resource (TCF)			Risked Prospective Resource (TCF)		
	1U (Low)	2U (Best)	3U (High)	1U (Low)	2U (Best)	3U (High)
Prospect Area	1.30	2.02	2.02	1.17	1.82	3.04
Lead Area	6.89	17.94	17.94	1.95	4.14	8.21
<b>Total</b>	<b>8.19</b>	<b>19.96</b>	<b>19.96</b>	<b>3.12</b>	<b>5.96</b>	<b>11.25</b>



\*Cautionary Statement: The estimated quantities of petroleum that may be potentially recovered by the application of a future development project relate to undiscovered accumulations. These estimates have both an associated risk of discovery and a risk of development. Further exploration, appraisal and evaluation are required to determine the existence of a significant quantity of potentially moveable hydrocarbons. The resource estimate was compiled by Mr. John Hattner, an employee of Netherland, Sewell & Associates Inc, and who is a Qualified Petroleum Reserves and Resources Evaluator (QPRRE). The effective date of the resource estimate was 31 July 2021. Please refer to Section 3.2 (specifically page 15) of the Company's Notice of Meeting dated 12 January 2022 for more information on the Company's estimated economic interest in the overall potential resource.

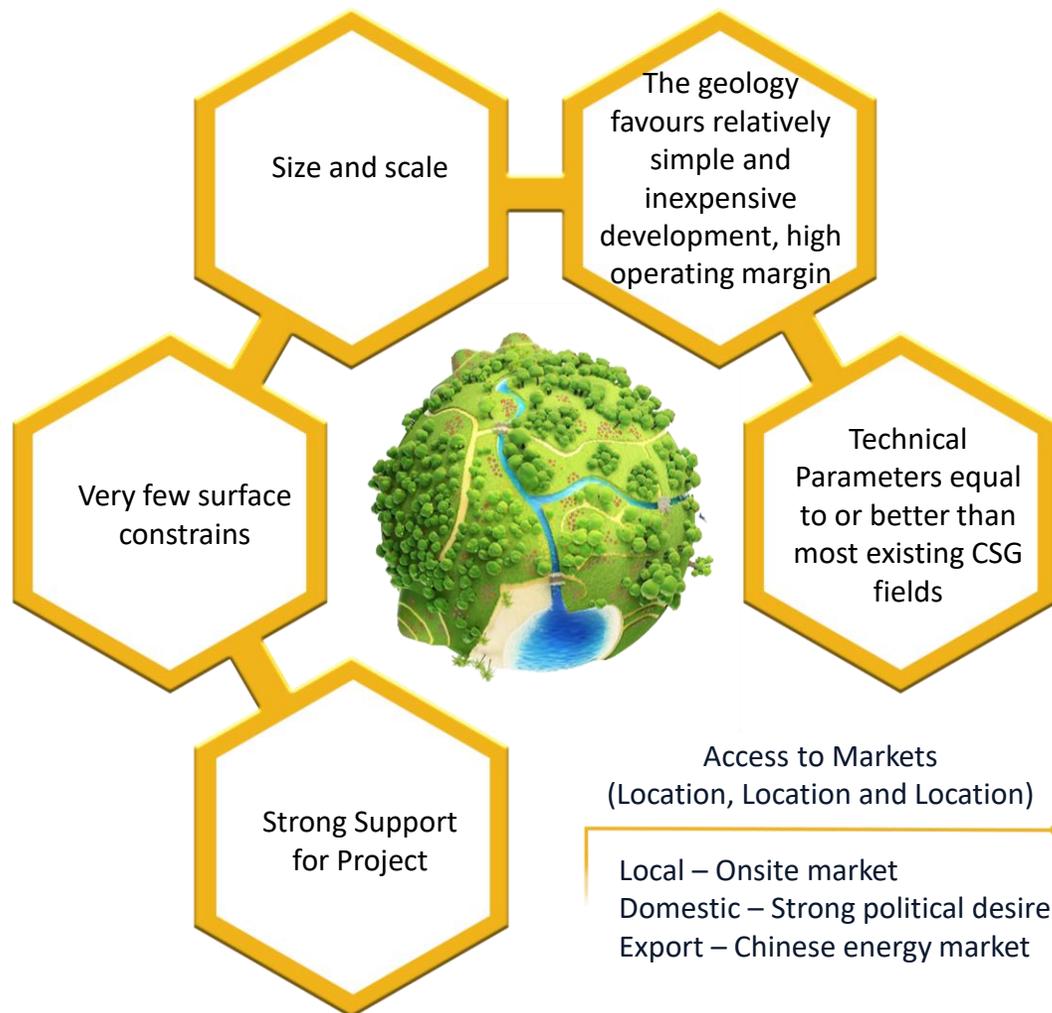
# EXPLORATION RESULTS – 100% SUCCESS

West 10km East



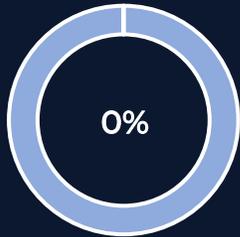
Objective	Result				Assessment
	SL-1	SL-2	SL-3	SL-4	
Coal Thickness	60m	91m	60m	56m	✓
Coal Rank Quality	Bituminous				✓
Gas Content (ar)	13.2 m <sup>3</sup> /t	9.3 m <sup>3</sup> /t	9.8 m <sup>3</sup> /t	Mod/High	✓
Gas Composition (CH <sub>4</sub> )	96%	97%	95%	tbd	✓
Permeability	0.1mD	47mD	20mD	tbd	✓

# WORLD CLASS DISCOVERY



COUNTRY	BASIN	COAL RANK	COAL THICKNESS (M)	GAS CONTENT (M3/T AR)	PERMEABILITY (MD)
US	San Juan Basin	Sub/Bituminous	1 - 13 m	<3 - 25	<10 - 100mD
	Powder River Basin	Sub/Bituminous	1 - 75 m	0.1 - 4	1 - 1000mD
CANADA	WCSB	Sub/Bituminous	1 - 4 m	0.8 - 2.3	3 - 5mD
AUSTRALIA	Bowen Basin	Bituminous	1 - 30 m	1 - 11	0.5 - 13.6mD
	Surat Basin	Sub/Bituminous	3 - 4 m	1 - 8	0.07 - >500mD
CHINA	Qinshui Basin	Anthracite	1 - 15 m	15 - 20	0.01 - 3mD
	Ordos Basin	Bituminous	1 - 11 m	4 - 23	1 - 5mD
MONGOLIA	Curvantes-XXXV	Bituminous	60 - 91 m	9.3 - 13.2	0.04 - 47mD

# ENERGY STATUS OF MONGOLIA



Mongolia currently has no gas production.



Mining Projects account for 40% of Mongolia's energy consumption



Mongolia imported US\$49 million worth of natural gas products in 2019.



Huge growth potential for domestic consumption from local production.



The strong political desire to develop the natural gas industry to reduce Pollution and address energy security, reliability, and independence

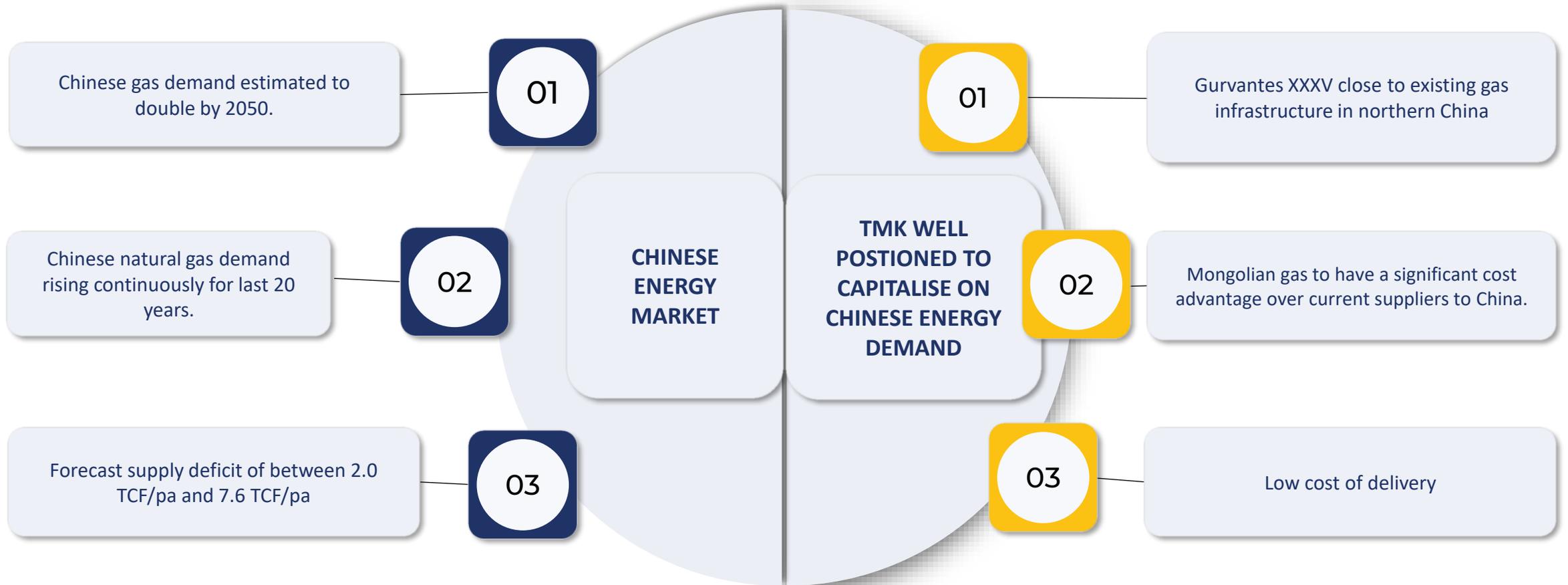
## Large Mining Projects Located in South Gobi Region

Oyu Tolgoi (Rio Tinto)

Tavan Tolgoi Coal Mines

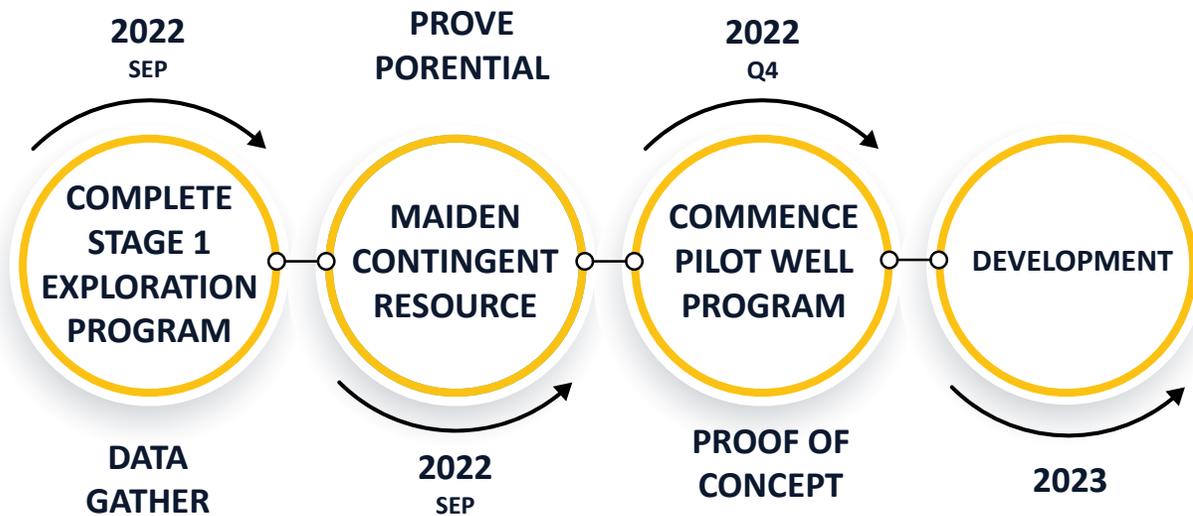
Nariin Sukhait ( 60MW- 70MW forecast demand )

# EXPORT GAS MARKETS



# CORPORATE SNAPSHOT

- 1 Low exploration costs that deliver **high value outcomes**.
- 2 Advanced nature of project and successful exploration allows for **advancing project quickly**
- 3 Fast track to **early commercialisation**



	2022				2023			
ACTIVITY	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
ENVIRONMENTAL IMPACT APPROVAL								
EXPLORATION DRILLING								
DESORPTION TESTING								
MAIDEN CONTINGENT RESOURCE								
PILOT WELL PROGRAM								
RESERVE AND FEASIBILITY STUDIES								
2023 EXPLORATION PROGRAM								
PRODUCTION WELL PROGRAM								
EXPLOITATION LICENSE								
FIRST GAS PLAN								



### CAPITAL STRUCTURE (ASX:TMK)

<b>Ordinary Shares</b>	<b>~3.5 billion</b>
<b>Market Capitalisation (at 1.4c)</b>	<b>~\$49M</b>
<b>Cash on Hand</b>	<b>\$3.4M</b>

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