

DISCLAIMER



This document, any attachments and the oral presentation on the slides (together the "Presentation") have been prepared and are being supplied to you by Aura Energy Limited (the "Company") solely for information purposes.

The information and opinions in this Presentation or any other material discussed verbally at this Presentation are provided as at the date of this Presentation and are subject to updating, revision, further verification and amendment and their accuracy is not guaranteed. This Presentation may be incomplete or condensed and it may not contain all material information concerning the Company. This Presentation does not constitute or form part of, and should not be construed as: (i) an offer, solicitation or invitation to subscribe for, sell or issue, underwrite or otherwise acquire any securities or financial instruments, nor shall it, or the fact of its communication, form the basis of, or be relied upon in connection with, or act as any inducement to enter into any contract or commitment whatsoever with respect to such securities or financial instruments.

To the fullest extent permitted by law, no liability whatsoever, whether in negligence or otherwise, (save in the case of fraud) arising directly from the use of this document is accepted, and no representation, warranty or undertaking, express or implied, is or will be made by the Company or their respective officers, partners, employees, agents, advisers or affiliates with respect to the accuracy, fairness or completeness of the information or opinions contained in the Presentation or for any errors, omissions or misistatements and none of them accepts any responsibility or liability as to its accuracy or completeness or as to the suitability of any particular investment for any lors howsoever arising, directly, from any use of such information or opinions or otherwise is owed for any loss, cost or damage suffered or incurred as a result of the reliance on such information or opinions or otherwise arising in connection with the Presentation. 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 Presentation and any materials distributed in connection with this Presentation are not directed or intended for distribution to, or use by any person or entity in any jurisdiction or country where such distribution or use would be contrary to local law or regulation or which would require any registration or licensing within such jurisdiction. Any failure to comply with these restrictions may constitute a violation of law.

This Presentation does not constitute an offer or sale of securities in the United States, Australia, Canada, Japan or any other jurisdiction where such offer or sale would violate the relevant securities laws of such jurisdiction. Neither this Presentation nor any copy of it may be taken, transmitted or distributed, directly or indirectly, into the United States, its territories or possessions, Australia, Canada or Japan. The securities laws of any state or other jurisdiction of the United States or under applicable securities laws of Australia, Canada or Japan and may not be offered, sold, transferred or delivered, directly or indirectly, in or into the United States, Australia, Canada or Japan or any other jurisdiction where such offer or sale would violate the relevant securities laws of such jurisdiction.

Scoping Studies: The scoping studies prepared on behalf of the Company and referred to in this presentation in respect of the Tiris and Haggan Projects (the "Projects") (the "Studies") are preliminary in nature. Scoping studies are commonly the first economic evaluation of a project undertaken and may be based on a combination of directly gathered project data together with assumptions borrowed from similar deposits or operations to the case envisaged. There is no guarantee that the assumptions underlying these Studies or the estimates or economic projections contained therein will ultimately be realised. Announcements providing further details in relation to these Studies are available on the Company's website, and any information in this Presentation which is indicated to have been derived from these Studies should be read and considered in the context of such announcements and the assumptions and qualifications contained therein. The Studies were based on lower-level technical and economic assessments, and are insufficient to provide assurance of an economic development case at this stage, or to provide certainty that the conclusions of the Studies (including as regarding prospective capital and operating expenditure) will be realised.

In addition, certain information contained in this document constitutes "forward-looking statements," which can be identified by the use of terms such as "may", "will", "should", "expect", "anticipate", "project", "estimate", "intend", "continue," "target" or "believe" (or the negatives thereof) or other variations thereon or comparable terminology. These forward-looking statements relate to matters that are not historical facts. They appear in a number of places throughout this Presentation and include statements regarding the intentions, beliefs or current expectations of the Company and its directors concerning, amongst other things, the results of operations, prospects, financial condition, liquidity of the Company, dividend policy of the Company and the market in which it operates. Due to various risks and uncertainties, actual events or results or actual performance of the Company may differ materially from any opinions, forecasts or estimates reflected or contemplated in this Presentation. All projections, estimations, but the like are illustrative exercises involving significant elements of judgment and analysis, which may or may not prove to be correct. There can be no assurance that future results or events will be consistent with any such opinions, forecasts or estimates. As a result, investors should not rely on such forward-looking statements in making their investment decisions. No representation or warranty is made as to the achievement or reasonableness of and no reliance should be placed on such forward-looking statements. These forward-looking statements speak only as at the date of this Presentation. The Company, it's respective professional advisers and contractors (subject to their legal obligations) expressly disclaim any obligations to update or revise any forward-looking statement contained herein to reflect any change in expectations with regard thereto or any change in events, conditions or circumstances on which any statement is based.

The past performance of the Company is not a reliable indication of the future performance of the Company. Any investment in the Company is speculative, involves a high degree of risk, and could result in the loss of all or substantially all of their investment. Results can be positively or negatively affected by market conditions beyond the control of the Company or any other person.

The views expressed in this document contain information that has been derived from sources that have not been independently verified. No representation or warranty is made as to the accuracy, completeness or reliability of the information. This document should not be relied upon as a recommendation or forecast by the Company.

NOTES TO PROJECT DESCRIPTIONS

The Company confirms that the material assumptions underpinning the Tiris Uranium Production Target and the associated financial information derived from the Tiris production target as outlined in the Aura Energy release dated 18 August 2021 for the Tiris Uranium Project Definitive Feasibility Study continue to apply and have not materially changed.

The Tiris Uranium Project Resource was released on 27 August 2021 "Resource Upgrade of 10% - Tiris Uranium Project". The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcement and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcements continue to apply and have not materially changed.

In respect to Resource statements there is a low level of geological confidence associated with inferred mineral resource and there is no certainty that further exploration work will result in the determination of indicated measured resource or that the production target will be realised.

This presentation approved for release by the Board of Directors.

OUR SIGNIFICANT ASSETS



TIRIS PROJECT (85% owned)

Uranium-Vanadium, Mauritania

DFS¹, Mining² & Environmental³ permits

Resource: 56 Mlbs U₃O₈ @ 270ppm⁴

Production Phase 1: 12.4Mlb in 15 years¹

Phase 2 expansion max 3.5Mlb pa design

HÄGGÅN PROJECT (100% owned)

Polymetallic - vanadium, potash, uranium

Sweden

Scoping Study Q2 2022

42m tonnes at 0.35% $V_2O_5^5$

800m pounds of U₃O₈

Gold

Mauritania

Exploration

125 km² virgin Greenstone belt

TASIAST SOUTH

100% Owned

Alternative jurisdictions supporting geographical

diversity in uranium

Strategic project pipeline to meet future energy demand

Supporting global low emission energy through nuclear power

Near term greenfield sustainable uranium production targets

STRUCTURAL SUPPLY DEFICIT IN URANIUM



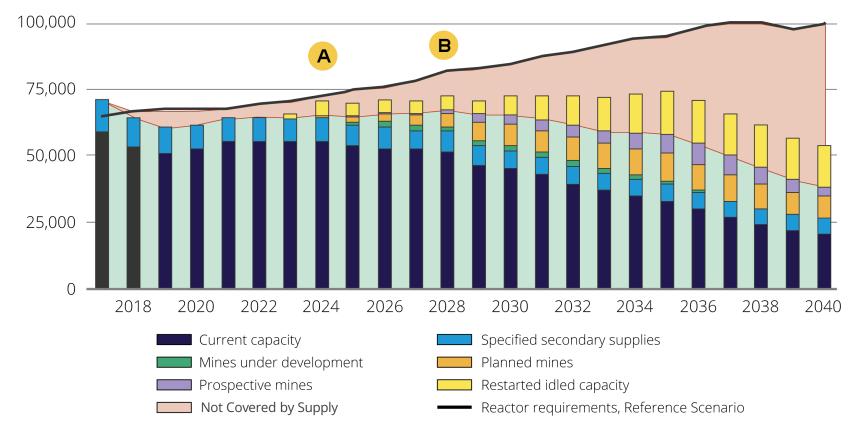
Aura is well positioned to grow into servicing uranium supply deficit

A TIRIS PHASE 1

 Initial target production of 800,000lb U₃O₈

B TIRIS PHASE 2

 Aiming to increase annual U₃0₈ production to 3-5m lbs with 5 years of initial production



NUCLEAR & THE GREEN ENERGY TRANSITION





10%

OF THE WORLD'S
ELECTRICITY COMES
FROM NUCLEAR¹



300%

INCREASE IN THE WORLD'S ELECTRICITY DEMAND BY 2030



x3

DEMAND FOR URANIUM
TO INCREASE 3 FOLD
BASED ON THESE
FACTORS ALONE

NUCLEAR & THE GREEN ENERGY TRANSITION





OF OF THE WORLD'S
ELECTRICITY IS
PRODUCED FROM COAL¹



CANNOT PROVIDE A
BASELOAD OF POWER
TO REPLACE COAL AND
PRODUCE ONLY 29% OF
THE WORLD'S
ELECTRICITY²



IS CARBON FREE, CAN
DELIVER A BASELOAD OF
POWER TO REPLACE
COAL AND WILL GROW AS
A PROPORTION
OF ENERGY

^{1 -} https://www.carbonbrief.org/mapped-worlds-coal-power-plants/

^{2 --} https://www.iea.org/reports/global-energy-review-2021/renewables

TIRIS URANIUM PROJECT: NEAR TERM, LOW COST, PERMITTED URANIUM PRODUCTION



- Near term, low cost, scalable production
- Rapid growth to maximise value in Mineral Resources
- Pipeline to support globally significant uranium production
- Favourable African jurisdiction

COMPETITIVE ADVANTAGE

TIRIS ADVANTAGE

550%

U₃O₈ upgrade by screening¹

TIRIS ADVANTAGE

80%

Mined mass rejected¹

TIRIS ADVANTAGE

FREE DIG ORE AT SURFACE

Low-cost mining

TIRIS EXPANSION

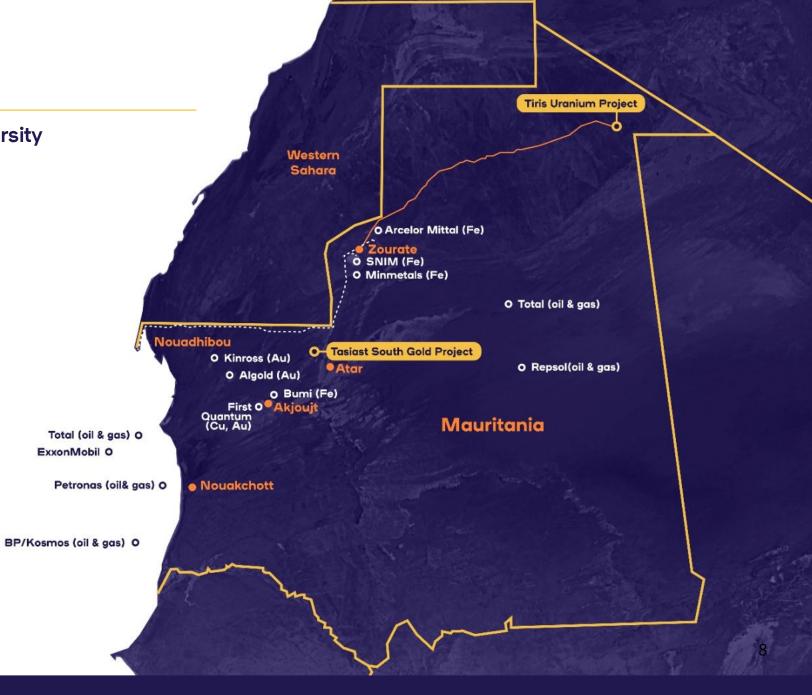
20%

Mineral Resource used in Phase 1 Mine Plan²

MAURITANIA

Positioned to provide geographical diversity to the uranium market

- Established Mining Code and Nuclear Law.
- Major companies operating in Mauritania including Kinross, BP and Exxon Mobil
- Commodities produced include gold, copper iron ore, oil and gas
- Good existing infrastructure including ports, train lines and direct road access to Tiris
- Established regulatory and authorisation process for uranium



COMPELLING TIRIS PROJECT FUNDAMENTALS=



LOW COST, FLEXIBLE MINING

PROJECT ATTRIBUTES

- Shallow flat-lying surface mineralisation (1-5m)
- Low-cost mining (free digging)
- Simple extraction method (92% in leach)
- ✓ No drill and blast
- ✓ No crushing or grinding
- ✓ Shallow Ore Body

THE TIRIS MINING FLEET¹
4 x Trucks (50 Tonne)
1 x Excavator



















COMPELLING TIRIS PROJECT FUNDAMENTALS

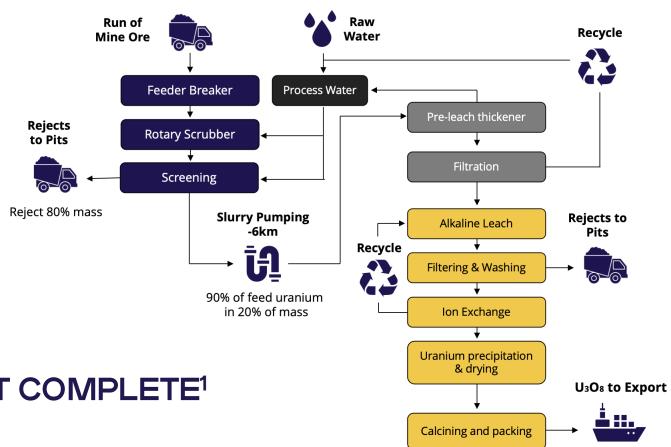


Simple upgrade dramatically reduces process plant size



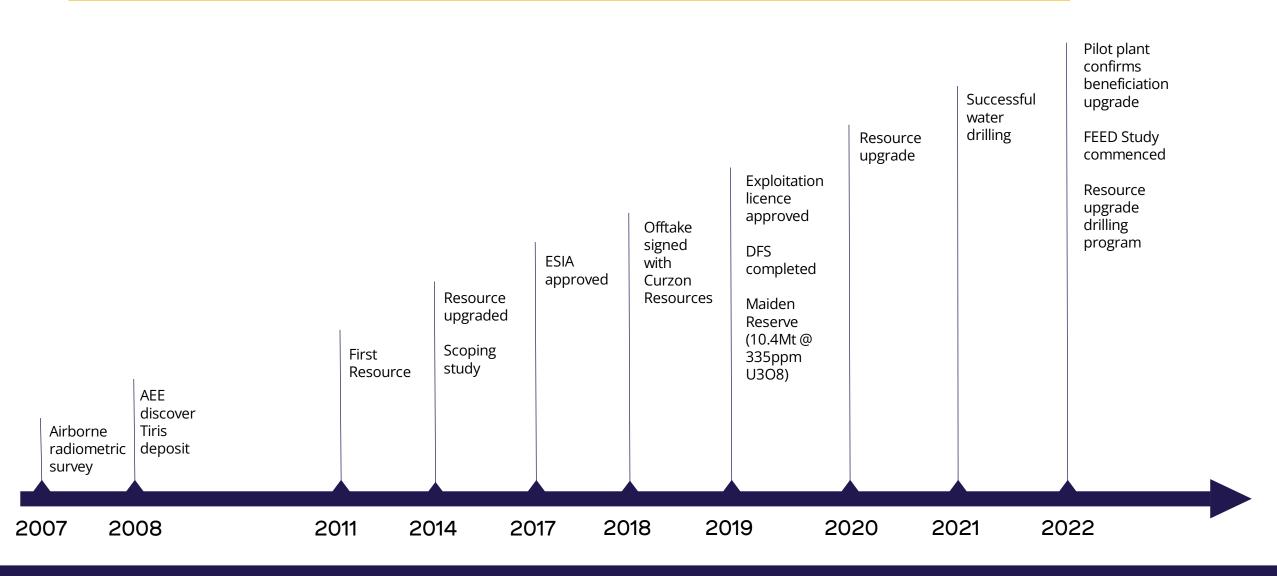
80% mass rejected and returned directly to mined pits

SIMPLE MODULAR FLOWSHEET



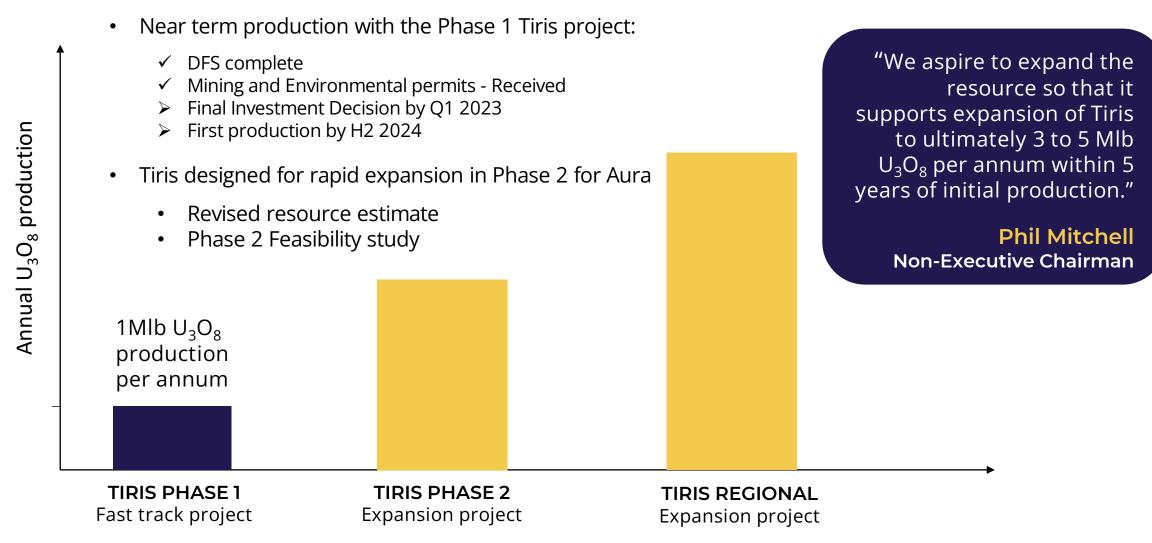
MAJOR MILESTONES ACHIEVED FOR TIRIS





TIRIS - DEVELOPMENT PATHWAY





PHASE 1 - CATALYSTS TO URANIUM PRODUCTION



- Complete Infill drilling to target Resource Upgrade
 - 10,000m drilling program
 - Revised Mineral Resource Estimate Increase M&I resources to support Phase 2 Mine Plan
 - Revised Mineral Reserve Estimate
- Water geophysics program complete
- FEED study commenced
- Phase 2 expansion Feasibility Study commenced

- Phase 1 FEED Study completed
- Phase 1 Decision to Mine
- Project financing
- Procurement of long lead items
- Authorisation for export of UOC
- Begin Phase 1 plant construction

 Commission plant

 Commence commercial production First shipment of Yellowcake

2022 **2023 2024 2025**

COMPELLING TIRIS PROJECT FUNDAMENTALS

Tiris Phase 1 is a compelling low-cost project, as per 2021 Feasibility Study.

NEAR TERM URANIUM PRODUCTION - PHASE 1





- 1.25Mtpa for 12.4Mlb U₃O₈ over 15 years.
- Average 336ppm U_3O_8 upgraded to ~1,500ppm U_3O_8 .
- Low cost and flexible mining
- Simple **modular** process plant, designed for expansion
- Offtake agreement with Curzon Resources for 15% production over 7 years



- Tiris project Phase 1
 - CAPEX: US\$74.8M
 - C1 cost: \$25.43/lb U₃O₈
 - AISC: \$29.41/lb U₃O₈
- Strong returns at current U₃0₈ prices
 - IRR of 22%
 - Total After Tax Cash Flow US\$289m
- Opportunity to include vanadium pentoxide by-product.

Project economics presented for the Tiris Uranium Project are based on Phase 1, which represents approximately 20% of the known Mineral Resource.

PHASE 2 - MAXIMISE RESOURCE VALUE



TIRIS URANIUM RESOURCE3

56 Million lbs U_3O_8 @ 253 ppm 18.2 million pounds V_2O_5 @ 82 ppm

65%

Historic conversion INF to M&I Resource.

76%

Historic conversion M&I Resource to Reserve²

- Proven historic upgrade from inferred to Measured and Indicated
- Approximately 3-5 Mlbs U₃O₈ found per square km of continuous mineralisation¹.

Table 1 - Following the latest resource estimation, the Tiris Resource Inventory is as follows:³

Cut-off U3O8 g/t	Class	Tonnes (Mt)	U308 (g/t)	U308 (Mlb)	V ₂ O ₅ (g/t)	V ₂ O ₅ (Mlb)
100	All	102.1	253	56.9	82	18.4

Table 2 - Tiris East Resource Summary, August 20213:

Cut-off U ₃ O ₈ g/t	Class	Tonnes (Mt)	U308 (g/t)	U ₃ O ₈ (Mlb)	V ₂ O ₅ (g/t)	V ₂ O ₅ (Mlb)
100	Measured	10.2	235.7	5.3	76.4	1.7
	Indicated	29.0	222.1	14.2	72.0	4.6
	Total M&I	39.2	226	19.5	73	6.3
	Inferred	62.9	270	37.4	87	12.1

Table 3 - Tiris Ore Reserves, at a 175 ppm U₃O₈²

Description	Mt	U ₃ O ₈ (ppm)	U308 (Mlb)	
	Total			
Proved	4.1	339	3.1	
Probable	6.8	333	5.0	
Total	10.9	336	8.1	

PHASE 2 - MAXIMISE RESOURCE VALUE



Drilling program completed in Q4 2022 aims to increase proportion of Measured and Indicated Category.¹

- 10,000m infill drilling program. (complete)
 - Revised Mineral Resource Estimate with increase M&I.
 - Revised Mineral Reserve to support Phase 2 Mine Plan
- Testing some additional radiometric targets to further grow resources.
 - Target increased total Resource base

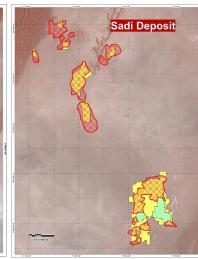
Q4 2022

- Revised Mineral Resource Estimate
- Phase 2 Mine Plan

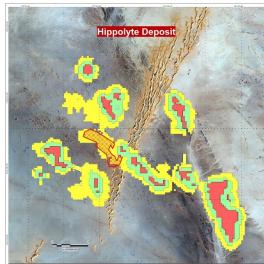
Q1 2023

- Updated Phase 1 Mine Plan
- Revised Reserve Estimate





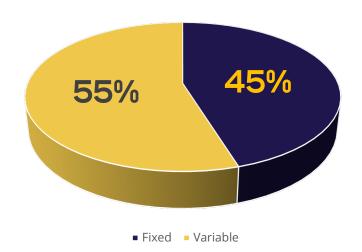


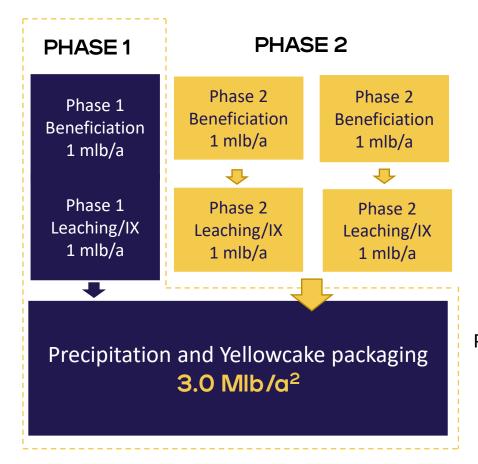


TIRIS MODULAR DESIGN FOR SIMPLE EXPANSION



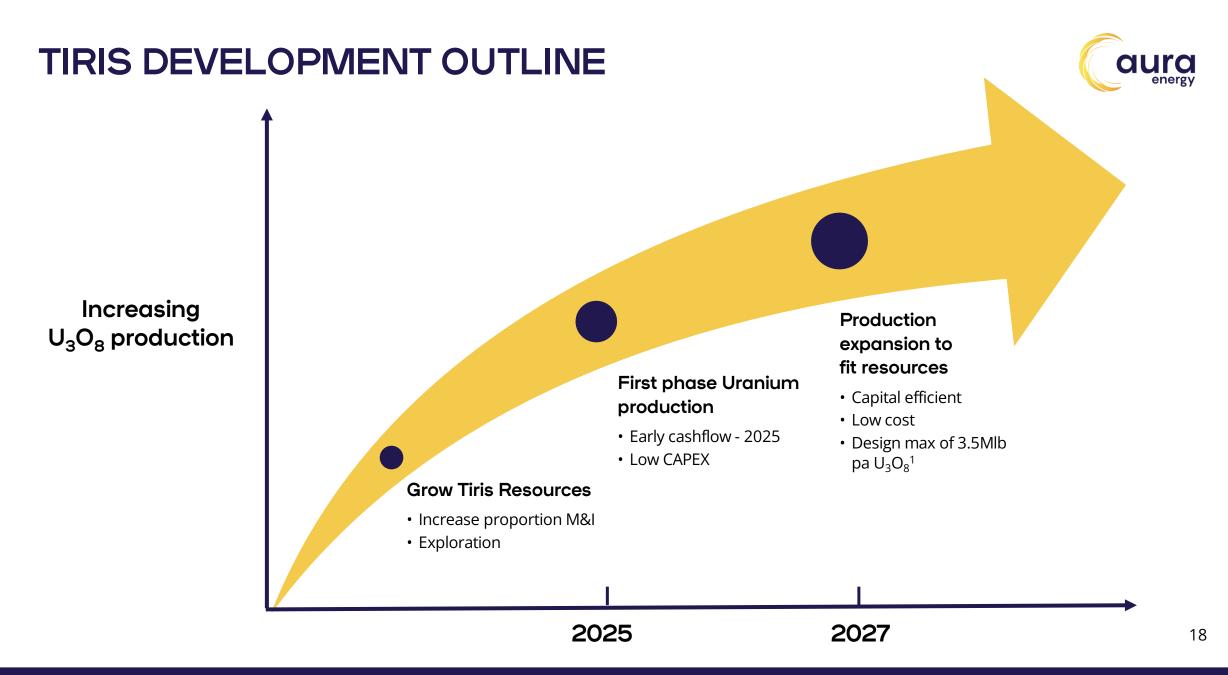
- 12.5% of Phase 1 Capital Estimate¹ for equipment rated for up to 3.0Mlb pa U_3O_8 production.
- Modular design of beneficiation and leach circuits for capital efficient expansion.
- Fixed costs 45% of Phase 1 total operating cost¹.
 - Opportunity for significant cost efficiency in Phase 2





Modular process trains for simple expansion

Phase 1 already designed for Phase 2 throughput



DEVELOPMENT SCHEDULE - TIRIS NEWS FLOW



Program	Completed	Underway	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023		
Phase 1 Tiris Project									
Confirmation test work ¹		Υ							
Engage EPCM Consultant ²	Υ								
FEED Study		Y							
Decision to Mine									
	Value engineering								
V ₂ O ₅ Resource ³	Υ								
V ₂ O ₅ Test work		Υ							
V ₂ O ₅ Circuit									
			Sustair	nability					
GHG Emissions baseline ⁴	Υ								
		Tiris E	kpansion Programr	ne - To Support	Phase 2				
Tiris East In-fill drilling ⁵		Y							
Resource Update		Y							
Reserve Update									
Exploration drilling		Y							
Phase 2 Feasibility Study		Υ							

ENVIRONMENTAL, SOCIAL & GOVERNANCE





ENVIRONMENTAL

- Scope 1 & 2 Greenhouse Gas (GHG) emissions report complete clearly defining a Net Zero Emission Pathway for the Project.
- Total baseline GHG emissions of 16,600 tCO2e per annum, representing approximately 0.15% of the total GHG emissions of Mauritania².
- Uranium produced from Tiris will be low emission, with renewable energy to meet majority of power needs.



Emissions by source as a percentage of annual emissions



SOCIAL

- Continued discussions with the Government of Mauritania, SOMELEC and UN partners to focus on potential direct investment in national projects to offset residual emissions (in preference to accessing the voluntary carbon market).
- Aura will invest in the local communities in which it operates to create positive societal impacts in Mauritania.



GOVERNANCE

- Aura maintains strict governance standards and is committed to a high level of ethical business practises.
- The Company ensures that any contractors, operating partners or associates operate to the same high standard set by Aura.

HÄGGÅN VANADIUM PROJECT





HÄGGÅN HIGH-GRADE VANADIUM PROJECT



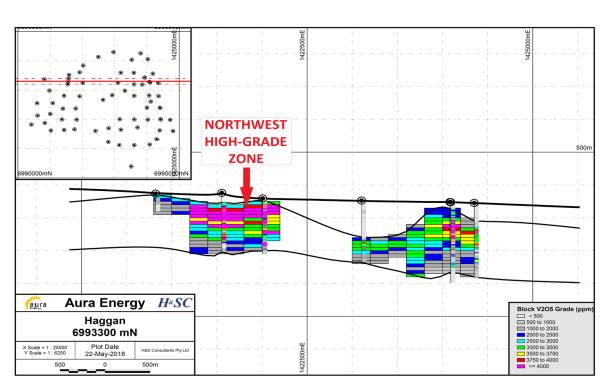
PROJECT HIGHLIGHTS

- 100% owned 15.2 Billion lb Global Vanadium Resource¹
- 1.1 Billion lb High-Grade V₂O₅ Zone
- 124 Mt @ 0.43% V₂O₅
- Shallow Mine 20 to 100m
- Scoping Study costs complete

ADDITIONAL INITIATIVES

- Swedish Gov driving Green Metal transition
- Battery manufacturing Initiative add-on
- Potash credit is significant
- Nickel, Molybdenum and zinc credits
- Uranium by-product if permitted







AURA'S GOLD ASSETS



ARCHAEAN GREENSTONE GOLD

- Archaean Greenstone Gold represents one of the last great opportunities in the world for exploration on a single large tract of Archaean greenstone geology.
- With the 20 Moz operating Kinross-owned Tasiast Mine operating just 36 Km away this belt is highly prospective and largely unexplored².
- Neil Clifford who conceived the project has found 25 million ozs of gold and understands what it takes to discover these deposits is the Principal Geologist of the new vehicle.
- Peter Reeve appointed as CEO, with 35 years resources experience in technical, management & corporate finance roles, with Rio Tinto, Shell-Billiton, Newcrest, Ivanhoe Australia
- Aura continues to advance its Gold Assets with the aim of creating further shareholder value.

23

CORPORATE SNAPSHOT



KEY METRICS

ASX Code AIM Code (LSE)	AEE AURA
Shares on Issue	530 million
Share Price (19 October '22)	ASX:AEE - A\$0.27 AIM:AURA - 15.10 pence
Cash (30 September)	~A\$8.6 million
Market Capitalisation (19 October '22)	A\$137m
Listed Options	95m (exercise \$0.056 / Exp 30/6/24)
Unlisted Options	6m

BOARD AND MANAGEMENT

Non-Executive Chairman
Managing Director & CEO
Non-Executive Director
Non-Executive Director
Non-Executive Director
Chief Operating Officer
Archaean Greenstone Gold - Managing Director & CEO
In-Country Manager

CONTACT



JANE MORGAN MANAGEMENT

David Woodall

Managing Director and CEO

dwoodall@auraee.com

Jane Morgan
Investor & Media Relations
jm@janemorganmanagement.com.au
+61 405 555 618

ASX:AEE AIM:AURA

PEER COMPARISON



	Aura Energy	Boss Energy	Global Atomic	Bannerman Energy	Fission	Denison	Paladin Energy	NexGen
Stock Code	ASX:AEE	ASX:BOE	TSE:GLO	ASX:BMN	TSE:FCU	NYSE:DNN	ASX:PDN	TSE:NXE
Mkt cap (AU\$)*	\$ 101m	\$803m	\$603 m	\$282m	\$603m	\$1,410m	,	\$3,260m
Project	Tiris	Honeymoon	Dasa	Etango	PLS	Wheeler River	J	Arrow
Location	Mauritania	Australia	Niger	Nambia	Canada	Canada	Nambia	Canada
Status	DFS	Care/Maint	PFS	PFS	PFS	PFS	Care / Maint	DFS
Permits	Permitted	Permitted	Permitted	EA permit	EA submitted	EA restarted	Permitted	EA Started
Ownership (%)	85%	100%	90%	100%	100%	90%	75%	100%
Study	2021 DFS	2020 PFS	2020 PEA	2021 PFS	2019 PFS	2019 PFS	2020 PFS	2020 PFS
Resources (Mlbs U308)	56	71.6	189	(project specific) 142	135.2	128.3	119.7	337.4
Recovery (%)	88.00%	?	84.30%	87.80%	96.00%	89.70%	88.50%	97.60%
Sales Royalty (%)	1.25%	6.50%	9.14%	3.40%	7.25%	7.25%	3.50%	7.25%
Annual production (Mlbs)	1 (up to 3)	2.0	4.5	3.5	13.7	11.4	5.9	28.8
Life of mine Capex (US\$)	\$90m	\$205m	\$203m	\$317m	\$937m	\$753m	\$81m	\$1,035m
Operating cash cost (US\$/lb)	\$25.6	\$18.5	\$4.6	\$39.5	\$7.2	\$7.4	\$27.0	\$5.7
AISC (US\$/lb)	\$29.8	\$25.6	\$18.4	\$40.3	\$10.7	\$8.9	\$30.9	\$11.2



NEAR TERM, LOW COST, PERMITTED URANIUM PRODUCTION



Tiris Uranium Project

- Shallow mineralisation from surface to depth of 1-5m
- Free digging Low cost, flexible mining
- Upgradability 550% upgrade with 80% mass rejection¹
- Scalable²
 - 20% of Mineral Resources used in Stage 1
 - Modular design for capital efficient expansion
- **Proven exploration** methods
- Permitted
 - ESIA approved October 2017³
 - Exploitation licence approved February 2019⁴
 - Well defined authorisation process for U₃O₈ export

