

### Energy Metals for Tomorrow, and Today

Enhanced Definitive Feasibility Study March 2023

ASX: AEE AIM: AURA

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#### NOTES TO PROJECT DESCRIPTIONS

The Company confirms that the material assumptions underpinning the Definitive Feasibility Study ("DFS") Uranium Project Definitive Feasibility Study – Updated Capital Estimate" dated 18 August 2021 for the Tiris Uranium Project Definitive Feasibility Study continue to apply and have not materially changed.

The Company confirms that the material assumptions underpinning the Enhanced Definitive Feasibility Study ("EFS") Uranium Production Target for Tiris and the associated financial information derived from the EFS Tiris Production Target as outlined in the Aura Energy release entitled "Enhanced Definitive Feasibility Study confirms robust financial returns and near-term production potential of the Tiris Uranium Project" dated 29 March 2023 for the Tiris Uranium Project Definitive Feasibility Study continue to apply and have not materially changed.

The information in this announcement that relates to estimated Mineral Resources for Häggån were initially reported by the Company in the announcement entitled "Häggån Battery Metals Project Resource Upgrade Estimate Successfully Completed" dated 10 October 2019. The Company confirms that it is not aware of any new information or date that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the Mineral Resources Estimates in the relevant market announcement continue to apply and has not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been market announcement.

The information in this announcement that relates to estimated Mineral Resources underpinning the production targets and the forecast financial information derived from the production targets for Tiris were initially reported by the Company in the announcement entitled "Major Resources Upgrade at Aura Energy's Tiris Project" dated 14 February 2023. The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the Mineral Resources Estimates in the relevant market announcement and that all material assumptions and technical parameters underpinning the Mineral Resources Estimates in the relevant market announcement not that all material assumptions and technical parameters underpinning the Person's findings are presented have not been materially changed. The Company confirms that the form and context in which the Person's findings are presented have not been materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially changed.

The information in this announcement that relates to estimated Ore Reserves underpinning the production targets and the forecast financial information derived from the production targets for Tiris were initially reported by the Company in the announcement entitled "Enhanced Definitive Feasibility Study confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that and technical parameters underpinning the Ore Reserve Estimates in the relevant market announcement continues to apply and has not materially changed. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

This presentation approved for release by the Board of Directors.

# Highlights



|  | ✓ Mineral Resource Estimate of 113.0 Mt @ 236ppm containing 58.9 Mlbs U <sub>3</sub> O <sub>8</sub>  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| Significant near-term uranium producer                         | ✓ Exploitation and Environmental permits in place, targeting the commencement of commercial production Q1 2025   |  |  |  |  |  |
|  | ✓ Exceptional economics delivering post-tax NPV of US\$ 226 million and post-tax IRR of 28%  |  |  |  |  |  |
|  | ✓ Ore Reserve Estimates and Mineral Resource Estimates support 17-year project life (on an Upside Case) with significant resource growth potential   |  |  |  |  |  |
| Low capital and operating cost, long life,<br>with scalability | ✓ Initial capital cost of US\$ 87.9 million, cost-efficient scalability for additional capital of US\$ 90.3 million to deliver a 150% increase in production to 2.0 Mlbs pa U <sub>3</sub> O <sub>8</sub>      |  |  |  |  |  |
|  | ✓ Shallow, free-dig open pit mining with no crushing and grinding deliver excellent cash margins driven by an AISC of US\$ 28.77 / Ib U₃O <sub>8</sub>   |  |  |  |  |  |
|  | ✓ Global commitment to de-carbonise energy production  |  |  |  |  |  |
| Growing global uranium market                                  | Supply constraints are emerging to deliver low-carbon baseload power   |  |  |  |  |  |
|  | ✓ <b>Demand</b> increasing as the number of installed reactors is <b>forecast to double</b> in future years <sup>1</sup>   |  |  |  |  |  |
|  | <ul> <li>High-grade Tiris West and other resources have potential for further expansion</li> </ul>   |  |  |  |  |  |
| Substantial growth strategy                                    | ✓ Tier 1 Häggån Project is a resource containing battery energy and industrial products with the potential to produce Vanadium, Nickel, Uranium, Molybdenum, Zinc and a by-product of Sulphate of Potash (SOP) |  |  |  |  |  |
|  | ✓ Offtake Agreement with Curzon secured and currently progressing discussion with other leading global customers   |  |  |  |  |  |
| Offtake and financing options advancing                        | ✓ Discussions progressing with potential debt providers prior to the FID in Q4 2023  |  |  |  |  |  |
|  | $\checkmark$ Exploring other financing options including strategic equity investments, offtake financing, etc.   |  |  |  |  |  |

#### Aura Energy ASX:AEE AIM:AURA

JUN-22

**KEY METRICS** 

**ASX Code** 

AIM Code (LSE)

Shares on Issue<sup>1</sup>

Market Capitalisation 1

Share Price<sup>1</sup>

Listed Options 1

**Unlisted Options**<sup>1</sup>

Cash

25m

20m

15m

10m

5m

0m

Nar.22

201.22

1. As at 24 March 2023



Private Investors

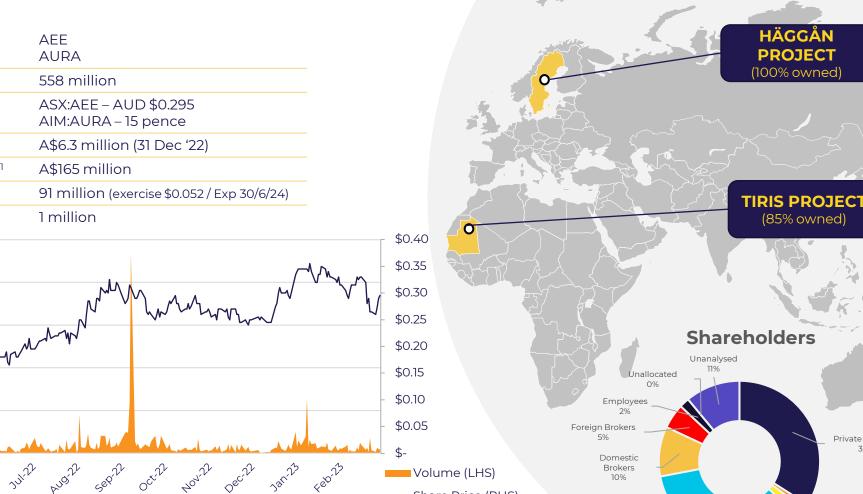
34%

Corporate Investors 1%

> Domestic Institutions

> > 2%

# **Corporate Snapshot**



— Share Price (RHS)

Foreign Institutions

35%



### **Board and Management**



| <b>Phil Mitchell</b><br>Non-Executive<br>Chairman                        | As the former CFO of Rio Tinto Iron Ore and member of the Executive Committee at Anglo American, Mr Mitchell has significant<br>experience in mining M&A, strategic planning and management of all aspects of commodity portfolios. This includes building<br>relationships with JV partners and governments. His time leading acquisitions for Robert Friedland's company, HPX built significant<br>experience in M&A portfolio and divestment.   |
|--|--|
| <b>Patrick Mutz</b><br>Non-Executive Director                            | Former Managing Director & CEO of African uranium company, Deep Yellow (ASX:DYL) and Alliance Resources (ASX:AGS). Mr Mutz holds<br>broad uranium operational experience in open cut, underground, and in-situ mining and related processing. Currently Managing<br>Director & CEO of Image Resources (ASX:IMA) he has significant experience assisting companies transitioning from exploration to<br>production.   |
| Warren Mundine<br>Non-Executive Director                                 | Prominent Australian independent thinker and media thought leader in issues related to the mining sector and nuclear power space.<br>He has broad experience working with leading companies including Fortescue Metals Group, Rio Tinto, BHP and AGL Pipelines &<br>Engineering Waanyi Downer Joint Venture. Mr Mundine is a former director of the Australian Uranium Association and currently MD<br>and CEO of advisory consultancy Nyungga Black Group Pty Ltd.  |
| <b>Bryan Dixon</b><br>Non-Executive Director                             | A chartered accountant with over 20 years of experience in mining and exploration, Mr Dixon has extensive experience in project<br>acquisitions, exploration, feasibility, financing, development and operations. He has built junior exploration companies into mining<br>producers and was a joint winner of the Mines and Money Asia-Pacific Mining Executive of the Year in 2017. His roles include the<br>founding of Blackham Resources (ASX: BLK) and with Resolute Limited and Archipelago Resources.                                  |
| <b>David Woodall</b><br>Managing Director and<br>Chief Executive Officer | A qualified mining engineer with 30 years' experience across exploration, operations, project development, community alignment and engagement in multiple commodities in the resources industry. He has served as Managing Director & CEO of publicly listed companies and held senior positions with Rio Tinto, Fortescue Metals Group, Newcrest Mining and Ivanhoe Mines. His experience transitioning companies from explorers to producers in difficult operating environments will be critical for Aura Energy.                           |
| Will Goodall<br>Chief Operating Officer                                  | Dr Goodall has been focusing on the expansion of the Tiris Resource and review and update of the Feasibility Study to accelerate<br>towards uranium production. His long standing knowledge of the Tiris and Häggån Projects from his 10+ years of service with the<br>Company are invaluable to future success of the Projects. With over 20 years of experience in geometallurgy, mineral processing and<br>hydrometallurgy across a wide range of commodities, he has a strong combination of technical expertise and corporate experience. |

### Aura's Strategy

"To be a responsible global producer of commodities supporting a clean, decarbonised energy future, while being aligned with the communities in which we operate and creating value for all stakeholders"

### 2023 - 2026

#### Transition from Developer to Operator

- First yellowcake shipment from Tiris East
- Increase Mineral Resources in Tiris
   Zemmour Region
- Advance further growth opportunities:
  - Häggån Polymetallic Project
  - Expansion of Tiris to 2.0 Mlbs  $U_3O_8$
  - Assess other opportunities

### 2027 - 2030

#### **Organic Expansion**

- Expand production from Tiris East, and commence production from high-grade Tiris West
- Approvals to develop Häggån Polymetallic Project
- Progress downstream processing opportunities at the Häggån Polymetallic Project

#### Long-Term Shareholder Value

Beyond 2030

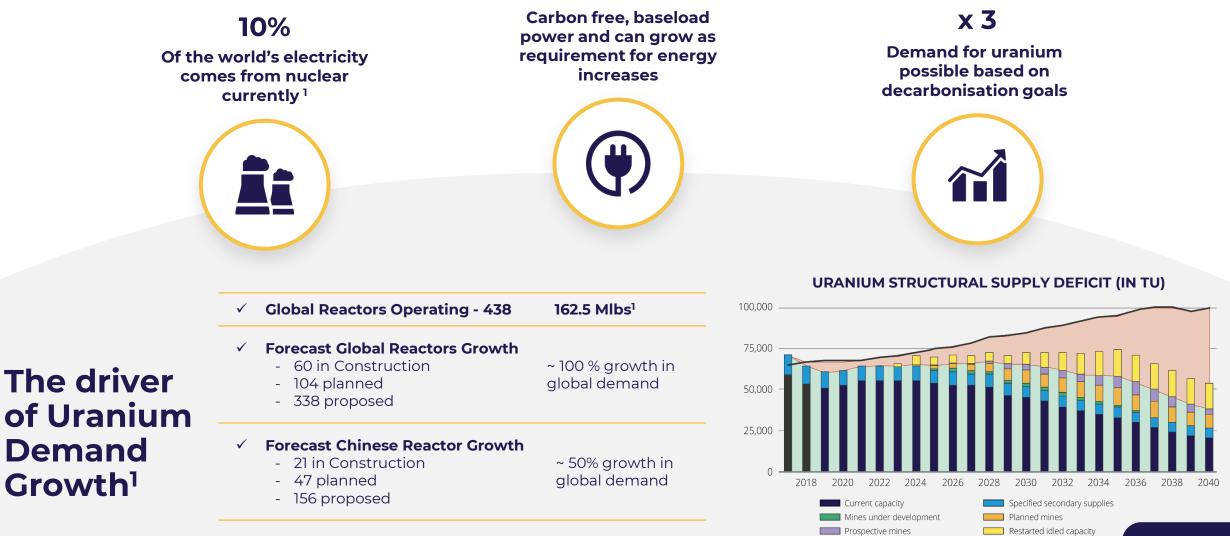
- Expanded production in-line with Mineral Resources in Mauritania
- Häggån Polymetallic Project in production
- Explore additional inorganic and organic opportunities (exploration, acquisition, downstream)



### The Growing Global Uranium Market



# **Nuclear - Fundamental to the Energy Transition**



1. World Nuclear Association, World Nuclear Power Reactors & Uranium Requirements, February 2023

Reactor requirements, Reference

Unspecified supply

energ

### **Tiris Project Mauritania** Enhanced Definitive Feasibility Study



# **Tiris Project – significant shareholder value and upside**

| Key Financial Outcomes <sup>1</sup>               | Unit                                  | Enhanced<br>Feasibility Study<br>Mar-23 | Definitive<br>Feasibility Study<br>Aug-21 | % Variation |
|---|---------------------------------------|---|---|-------------|
| LOM Average U <sub>3</sub> O <sub>8</sub> Price   | US\$/lb U <sub>3</sub> O <sub>8</sub> | 64                                      | 60  | 7%          |
| US\$:A\$  |                                       | 0.70                                    | 0.70                                      | 0%          |
| NPV <sub>8</sub> (post-tax, real basis, ungeared) | US\$ million                          | 226                                     | 80  | 183%        |
| IRR (post-tax, real basis, ungeared)              | %                                     | 28%                                     | 22%                                       | 27%         |
| Life of Mine (LOM)                                | Years                                 | 16                                      | 15  | 7%          |
| Annual Uranium Produced (at full production)      | Mlbs U <sub>3</sub> O <sub>8</sub>    | 2.0                                     | 0.8                                       | 150%        |
| Average EBITDA (at full production)               | US\$ million                          | 72                                      | 19.9                                      | 262%        |
| Free-cash-flow (Post-tax)                         | US\$M                                 | 554                                     | 265                                       | 109%        |
| C1 Cash Cost                                      | US\$/lb U <sub>3</sub> O <sub>8</sub> | 25.2                                    | 25.4                                      | -1%         |
| All in Sustaining Cost                            | US\$/lb U <sub>3</sub> O <sub>8</sub> | 28.7                                    | 29.8                                      | -4%         |
| Capital Cost – Start up                           | US\$ million                          | 85.8                                    | 74.8                                      | 15%         |
| Capital Cost – Ramp up                            | US\$ million                          | 90.1                                    |   |             |
| Total Development Cost                            | US\$ million                          | 175.9                                   | 74.8                                      | 135%        |

 $\checkmark$  A 17-year project life with significant regional **potential exists to grow the resource** beyond 58.9 Mlbs U<sub>3</sub>O<sub>8</sub>

✓ Low capital cost of US\$ 87.9 million, cost-efficient scalability for additional capital of US\$ 90.3 million to deliver a 150% increase in production to 2.0 Mlbs pa U<sub>3</sub>O<sub>8</sub>

Shallow, free-dig open pit mining with no crushing and grinding deliver excellent cash margins driven by an AISC of US\$
 28.77 / Ib U<sub>3</sub>O<sub>8</sub>



# **Compelling Tiris Project Economics**

Strong returns driven by low capital and operating costs<sup>1</sup>

#### **Enhanced Feasibility Study delivers strong financials**

|                           | Units | Base Case <sup>2</sup> | Upside Case <sup>3</sup> |
|---------------------------|-------|------------------------|--------------------------|
| Post-tax NPV <sub>8</sub> | US\$M | 226                    | 347                      |
| Post-tax IRR              | %     | 28%                    | 35%                      |

### Significant leverage to the uranium price

- Initial capital cost of US\$ 87.9 million, cost-efficient scalability for additional capital of US\$ 90.3 million to deliver a 150% increase in production to 2.0 Mlbs pa  $U_3O_8$
- Shallow, free-dig open pit mining with no crushing and grinding deliver excellent cash margins driven by an AISC of US\$ 28.77 / lb

#### **Near-term production**

- Offtake in place, additional offtake providers identified and conversations underway
- FEED commenced
- Fully Permitted ESIA approved, Mining Conventions awarded



#### Aura Energy | ASX:AEE AIM:AURA

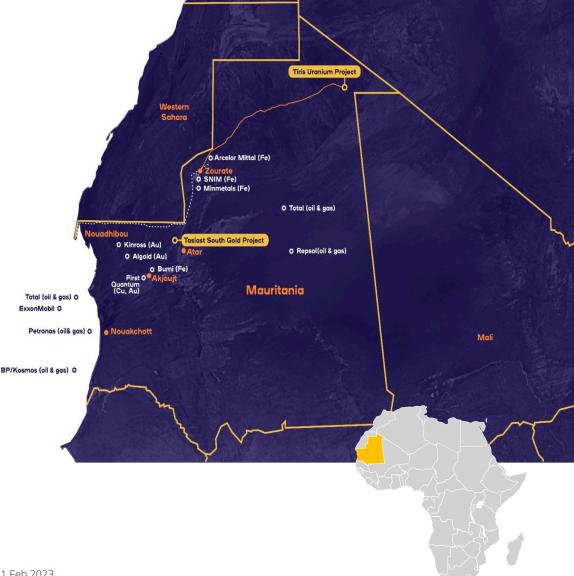
- ASX Release: "Enhanced Definitive Feasibility Study confirms robust financial returns and near-term production potential of the Tiris Uranium Project" 29 March 2023
   Base Case Spot Price US\$ 65 / Ib U<sub>3</sub>O<sub>8</sub>
- B. Upside Case Price Trade Tech Forward Availability Model (FAM2) forecast US\$79/lb U $_3$ O $_8$

# **Project Location - Mauritania**

#### Well positioned to deliver global supply

- An established mining jurisdiction with a Mining Code and Nuclear Law:
  - BP, Kosmos Energy and state oil and gas companies PETROSEN (Senegal) and Société Mauritanienne des Hydrocarbures (Mauritania) to produce 2.3 MM metric tons per year of LNG from 2023
  - Kinross Gold 20 Moz Tasiast Gold Mine
  - First Quantum Guelb Moghrein copper-gold project
- Good existing infrastructure including ports, train lines and direct road access to Tiris
- Supportive community; and Government (ANARPAM) has recently granted a 30-year Mining Convention<sup>1</sup>
- Scope 1 & 2 Greenhouse Gas (GHG) emissions report complete<sup>2</sup>

Aura's strong partnership with ANARPAM<sup>3</sup> will deliver a diversified supply into the global energy market



ASX Release: 'Transformational Agreements finalised in Mauritania for Tiris Project' 1 Feb 2023
 ASX Release: "Aura advances towards Net Zero Emission Production at Tiris" 27 Jan 2022
 National Agency for Geological Research and Mining Properties

# **Developing Tiris - Next Steps**



The dates below are indicative and subject to change.

|                                      |          | С    | ircui | ts     |    |   |   | 2   | 023 |   |     |     |           |   |     |    |     | 2024 | l. |           |     |     |           |    |     |   | 2025 |   |     |     |    |    |   |    | 2  | 026 |     |     |   |   |      | 202 | 27     |           |
|--------------------------------------|----------|------|-------|--------|----|---|---|-----|-----|---|-----|-----|-----------|---|-----|----|-----|------|----|-----------|-----|-----|-----------|----|-----|---|------|---|-----|-----|----|----|---|----|----|-----|-----|-----|---|---|------|-----|--------|-----------|
| Deliverables                         | Stage    | Bene | Leach | Precip | JF | м | A | L N | J   | A | s c | ) N | D         | 1 | F M | A  | м   | з 1  | A  | S         | 0 1 | I D | J         | FN | 1 A | м | 1 1  | А | S ( | D N | D. | JF | м | AN | ΛJ | J   | A S | 6 0 | N | D | 1 El | FM  | /1 A   | м         |
| FEED Study                           | Start-up | 1    | 1     | 1      |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     |        |           |
| Final Investment Decision            | Start-up | 1    | 1     | 1      |    |   |   |     |     |   |     | ×   |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     |        | $\Box$    |
| Long Lead Item Procurement           | Start-up | 1    | 1     | 1      |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     |        | $\square$ |
| Detailed Engineering                 | Start-up | 1    | 1     | 1      |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     |        | $\square$ |
| Contracts                            | Start-up | 1    | 1     | 1      |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     |        |           |
| Procurement                          | Start-up | 1    | 1     | 1      |    |   |   |     |     |   |     | 0   |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     | 3 3 |   |   |      |     |        | Π         |
| Preliminary Construction             | Start-up | 1    | 1     | 1      |    |   |   |     |     |   | 8   |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     |        | $\square$ |
| Construction - start-up              | Start-up | 1    | 1     | 1      |    |   |   |     |     |   |     | Τ   |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    | Π |    |    |     |     |     |   |   |      |     |        | П         |
| Commissioning/Production ramp up     | Start-up | 1    | 1     | 1      |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     | *   |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     |        | $\square$ |
|                                      |          |      |       |        |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      | T   |        | $\square$ |
| Start-up stable operation (1.25Mtpa) | Start-up | 1    | 1     | 1      |    |   |   |     |     |   |     |     |           |   |     | 12 |     |      | 22 |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     |        |           |
|                                      |          |      |       |        |    |   |   |     |     | 0 |     |     |           |   |     |    | 3 N |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     |        |           |
| Long Lead Item Procurement           | Ramp-up  | 4    | 2     | 1      |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    | ·   |     |     |   |   |      |     |        |           |
| Detailed Engineering                 | Ramp-up  | 4    | 2     | 1      |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     |        |           |
| Contracts                            | Ramp-up  | 4    | 2     | 1      |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     | Τ      | $\Box$    |
| Procurement                          | Ramp-up  | 4    | 2     | 1      |    |   |   |     |     |   |     |     | $\square$ |   |     |    |     |      |    | $\square$ |     |     | $\square$ |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     | $\top$ | П         |
| Construction - start-up              | Ramp-up  | 4    | 2     | 1      |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      | T   |        | $\square$ |
| Commissioning/Production ramp up     | Ramp-up  | 4    | 2     | 1      |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     |        |           |
|                                      |          |      |       |        |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   | *    |     |        |           |
| Ramp-up stable operation (4.2Mtpa)   | Ramp-up  | 4    | 2     | 1      |    |   |   |     |     |   |     |     |           |   |     |    |     |      |    |           |     |     |           |    |     |   |      |   |     |     |    |    |   |    |    |     |     |     |   |   |      |     |        |           |



Final Investment Decision

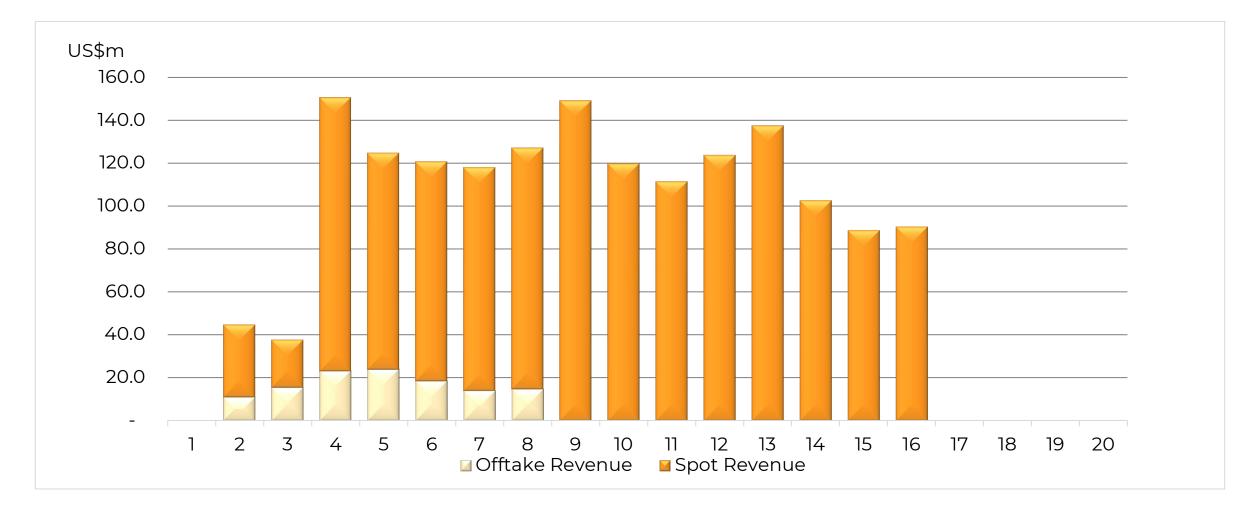
First UOC production - 0.8Mlb/a

First UOC Sale

Full UOC Production - 2.0Mlb/a

### **Projected Project Revenue**<sup>1</sup>





1. Based on spot price of US\$65/lb U3O8 with inclusion of Aura's commitments under the offtake agreement with Curzon Resources, ASX/AIM: 29*th* January 2019

# Mining

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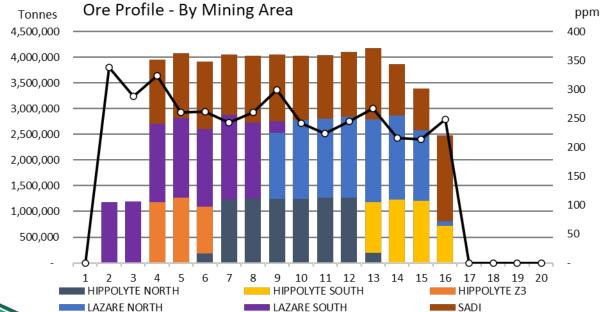
#### **Operational advantages**

- Shallow open pit mining, average 4m depth
- No drilling or blasting
- ~85% of the waste is returned to mined areas

### **Operating cost benefits**

- No drill or blast required (shallow free digging)
- Waste returned to the mined-out area, progressive rehabilitation

#### LOM Strip ratio 0.79 :1 Vertage to red Hoper Vertage to Vertage to Vertage to Vertage to Vertage to Vertag









# **Processing advantage**

Beneficiation upgrade allows an ongoing advantage

#### Simple operation

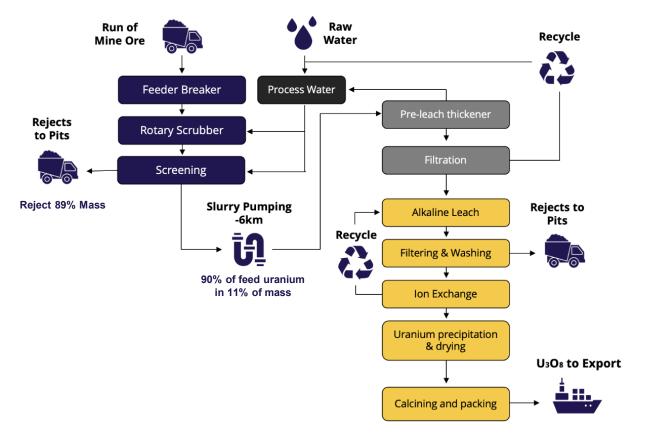
- Uranium easily separated using a simple rotary scrubber
- Simple beneficiation delivers a leach feed grade >2,000 ppm U<sub>3</sub>O<sub>8</sub>
- Recovery of over 90% of the uranium into between 10% and 15% of the total mass progress to leach circuit

#### **Capital cost benefits**

- No crushing and grinding circuit to be installed
- High grade, low volume allows a smaller leach circuit
- Modular expansion facilitates efficient capital allocation

#### **Operating cost benefits**

- No crushing and grinding lower power, consumables
- Lower power costs in leaching circuit



# **Operating Costs**

Low cost ongoing operation

- No drill and blasting cost
- No crushing and grinding costs
- Only 15% of the material progresses to the leach circuit, allowing for a smaller circuit
- Low power costs in leaching circuit

| All In Sustaining Cost (AISC)   | 52.1 | 28.77 |
|---------------------------------|------|-------|
| Royalties                       | 4.1  | 2.2   |
| Sustaining capital              | 0.70 | 0.4   |
| Communities                     | 1.0  | 0.6   |
| Product transport and marketing | 0.9  | 0.5   |
| <u> </u>                        |      |       |
| Total cash cost (C1)            | 45.4 | 25.10 |
| G&A                             | 5.3  | 2.90  |
| Maintenance                     | 3.0  | 1.67  |
| Reagents                        | 11.5 | 6.37  |
| Power                           | 8.4  | 4.65  |
| Labour                          | 3.5  | 1.94  |
|                                 |      |       |

Category

Minina

Average expenditure

US\$M pa

13.7



US\$/lbs U<sub>3</sub>O<sub>8</sub>

7.56

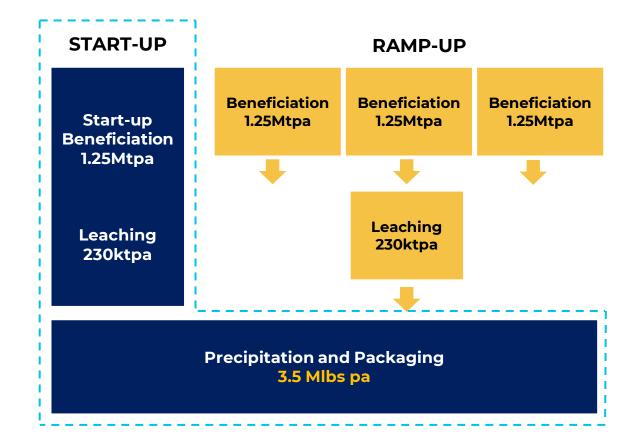


# **Capital Expenditure**

**Capital Efficient Expansion** 

- No crushing and grinding circuit to be installed
- High leach grade allows a smaller leach circuit
- Modular expansion facilitates efficient capital allocation

|                    | Start-up    | Expansion   | Total       |
|--------------------|-------------|-------------|-------------|
| Description        | Cost (U\$M) | Cost (U\$M) | Cost (U\$M) |
| Mining             | 1.6         | 2.7         | 4.3         |
| Process Plant      | 39.3        | 42.8        | 82.1        |
| Infrastructure     | 17.7        | 14.6        | 32.3        |
| EPCM               | 4.9         | 2.4         | 7.3         |
| Owner's cost       | 9.6         | 8.9         | 18.5        |
| Contingency        | 3.3         | 7.19        | 10.5        |
| Inflation          | 11.5        | 11.8        | 23.2        |
| Total Capital Cost | 87.9        | 90.3        | 178.2       |



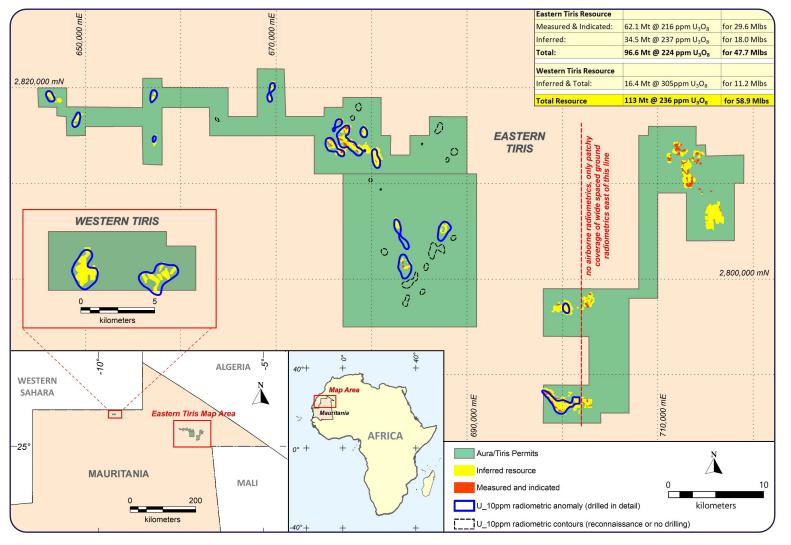


# **Growth – Exploration Upside**

The recent 10,000m infill drilling program increased Measured and Indicated (M&I) Resources by 52%.<sup>1</sup>

- Total MRE now stands at 58.9 Mlbs U<sub>3</sub>O<sub>8</sub>, 113Mt at 236 ppm U<sub>3</sub>O<sub>8</sub> at a 100ppm grade cut-off
- M&I Resources of **29.6 Mlbs U\_3O\_8**, 62.1Mt at 216 ppm  $U_3O_8$  at a 100ppm grade cut-off

Radiometric targets indicate the potential to significantly grow resources further



### **Aura's Offtake Strategy**



| Initial offtake signed  | Curzon contract for 1.5 Mlbs over five years with 52% at fixed (Ave \$42 per lb.) and 48% at<br>market pricing. An additional option for 1.0 Mlbs with claw-back rights exists for 70% of<br>the volume  |
|-------------------------|--|
| Engaged counterparties  | Discussions underway with global sector-leading counterparties for a long-term supply<br>of uranium<br>Traders and some utilities showing interest, market-related pricing contracts preferred   |
| Positive market outlook | The positive uranium market outlook allows pricing leverage through market indexed contracts. Floors and ceiling structures are also under consideration to provide price downside protection  |
| Future offtake strategy | Aura's intention is to secure up to ¾ of the volume with offtake for the first phase of production and using the spot market for the balance to allow flexibility in start-up production rates. Layering of contracts post start-up will de-risk the expansion and capture pricing upside. |

# **Aura's Funding Strategy**



|                                       | Debt   | <ul> <li>Discussions progressing to gain the optimal funding mix prior to<br/>the Final Investment Decision</li> </ul>  |
|---------------------------------------|--------|---|
| Initial Capex<br>US \$ 87.9 million   | Equity | <ul> <li>Confidence from equity markets strongly supports the raising of<br/>additional equity to fund initial Capex</li> </ul>   |
| 03 \$ 87.9 minon                      | Other  | <ul> <li>Other financial options continue to be explored including offtake<br/>financing, strategic investment</li> <li>Equity funding from strategic investors, as part of offtake<br/>arrangements and public equity markets</li> </ul> |
| Expansion Capex<br>US \$ 90.3 million |        | ains open to funding via traditional debt/equity markets or other sources<br>gic investments and Cash flow from operations  |

# **Key Tiris Project Takeaways**



| Significant near-term uranium producer                      | <ul> <li>Mineral Resource Estimate of 113.0 Mt @ 236ppm containing 58.9 Mlbs U<sub>3</sub>O<sub>8</sub></li> <li>Fully permitted, targeting the commencement of commercial production Q1 2025</li> <li>Exceptional economics delivering post-tax NPV of US\$ 226 million and post-tax IRR of 28%</li> </ul> |
|---|---|
|   | <ul> <li>Resource supports 17-year project life with significant resource growth potential</li> </ul>   |
| Low capital and operating cost, long life, with scalability | ✓ Initial capital cost of US\$ 87.9 million, cost-efficient scalability for additional capital of US\$ 90.3 million to deliver a 150% increase in production to 2.0 Mlbs pa U₃O <sub>8</sub>  |
| with scalability  | <ul> <li>Shallow, free-dig open pit mining with no crushing and grinding deliver excellent cash margins<br/>driven by an AISC of US\$ 28.77 / Ib</li> </ul>   |
|   | ✓ Global commitment to de-carbonise energy production   |
| Growing global uranium market                               | Supply constraints are emerging to deliver low-carbon baseload power  |
|   | ✓ Demand increasing as the number of installed reactors is forecast to double in future years <sup>1</sup>  |

## Häggån Project Sweden



# Häggån Polymetallic Project

Long-life project supplying a growing de-carbonized energy market

### **Project Highlights**

- ✓ 100% owned, Polymetallic Resource contains 2,548Mt material at 0.1% V2O5 cut-off<sup>1</sup>:
  - V2O5 14,900 Mlbs at 0.27%  $V_2O_5$
  - Ni –780,000 t at 312ppm Ni
  - Zn 1,170,000 t at 433ppm Zn
  - Mo 1,146 Mlbs at 200ppm Mo
  - U3O82 800 Mlbs at 150ppm  $U_3O_8$  (100ppm  $U_3O_8$  cut-off)<sup>2</sup>
- ✓ Scoping Study due 1st Half 2023 targeting:
  - Small environmental footprint
  - Shallow mining (~20 to 100m deep) amenable to progressive mining
  - Sulphate of Potash (SOP) credits are significant with additional Nickel, Molybdenum and Zinc credits possible
- ✓ Potential to also extract Uranium if the community and Government grant their approval

Aura Energy ASX:AEE AIM:AURA

1. AEE ASX Announcement 10 Oct 2019: Häggån Battery Metals Project: Resource Upgrade Successfully Completed











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### Appendix 1 Tiris Mineral Resources

### Tiris Mineral Resource

| Area <sup>1, 2</sup>   | Class     | Tonnes<br>(Mt) | U <sub>3</sub> O <sub>8</sub><br>(ppm) | U <sub>3</sub> O <sub>8</sub><br>(Mkg) | U <sub>3</sub> O <sub>8</sub><br>(Mlb) |
|------------------------|-----------|----------------|--|--|--|
|                        | Measured  | 8.0            | 236                                    | 1.9                                    | 4.2                                    |
| Hippolyte North        | Indicated | 5.8            | 217                                    | 1.3                                    | 2.8                                    |
| Hippolyte North        | Inferred  | 4.7            | 212                                    | 1.0                                    | 2.2                                    |
|                        | Sub-Total | 18.5           | 224                                    | 4.1                                    | 9.1                                    |
| Hippolyte Marie & West | Inferred  | 8.2            | 310.0                                  | 2.5                                    | 5.6                                    |
|                        | Indicated | 4.6            | 192                                    | 0.9                                    | 2.0                                    |
| <b>Hippolyte South</b> | Inferred  | 2.7            | 176                                    | 0.5                                    | 1.1                                    |
|                        | Sub-Total | 7.4            | 186                                    | 1.4                                    | 3.0                                    |
|                        | Measured  | 1.0            | 282                                    | 0.3                                    | 0.6                                    |
| Lazare North           | Indicated | 10.1           | 229                                    | 2.3                                    | 5.1                                    |
| Lazare North           | Inferred  | 3.7            | 210                                    | 0.8                                    | 1.7                                    |
|                        | Sub-Total | 14.8           | 228                                    | 3.4                                    | 7.4                                    |
| Lazare South           | Measured  | 8.6            | 233                                    | 2.0                                    | 4.4                                    |
|                        | Indicated | 5.2            | 226                                    | 1.2                                    | 2.6                                    |
| Lazare South           | Inferred  | 4.8            | 222                                    | 1.1                                    | 2.3                                    |
|                        | Sub-Total | 18.6           | 228                                    | 4.2                                    | 9.3                                    |
|                        | Measured  | 11.5           | 189                                    | 2.2                                    | 4.8                                    |
| Sadi                   | Indicated | 7.4            | 200                                    | 1.5                                    | 3.2                                    |
| Saul                   | Inferred  | 10.3           | 228                                    | 2.4                                    | 5.2                                    |
|                        | Sub-Total | 29.2           | 206                                    | 6.0                                    | 13.2                                   |
|                        | Measured  | 29.1           | 218                                    | 6.4                                    | 14.0                                   |
| All Deposits           | Indicated | 33.0           | 215                                    | 7.1                                    | 15.6                                   |
|                        | Inferred  | 34.5           | 237                                    | 8.2                                    | 18.0                                   |
| Total Tiris East       |           | 96.6           | 224                                    | 21.6                                   | 47.7                                   |
| Oum Ferkik             | Inferred  | 16.4           | 305.0                                  | 5.1                                    | 11.2                                   |
| Total Aura Resources   |           | 113.0          | 236                                    | 26.7                                   | 58.9                                   |



### Appendix 2 Tiris Project Ore Reserves

## **Tiris Project Ore Reserve**

|                             |      | Maiden I<br>opm U <sub>3</sub> O <sub>8</sub> |   |      | Reserve<br>pm U <sub>3</sub> O <sub>8</sub> |   |         | Variatio                                    | n  |
|-----------------------------|------|---|---|------|---|---|---------|---|--|
|                             | Mt   | U <sub>3</sub> O <sub>8</sub><br>(ppm)        | U <sub>3</sub> O <sub>8</sub><br>(Mlbs) | Mt   | U <sub>3</sub> O <sub>8</sub><br>(ppm)      | U <sub>3</sub> O <sub>8</sub><br>(Mlbs) | Mt<br>% | U <sub>3</sub> O <sub>8</sub><br>(ppm)<br>% | U <sub>3</sub> O <sub>8</sub><br>(Mlbs)<br>% |
| Lazare North                |      |   |   |      |   |   |         |   |  |
| Proved                      | 0.7  | 354   | 0.6                                     | 0.9  | 298   | 0.6                                     | 29%     | -16%  | 0%   |
| Probable                    | 4.4  | 332   | 3.2                                     | 7.9  | 251   | 4.4                                     | 80%     | -24%  | 38%  |
| Lazare South                |      |   |   |      |   |   |         |   |  |
| Proved                      | 1.5  | 342   | 1.1                                     | 6.5  | 264   | 3.8                                     | 333%    | -23%  | 245%   |
| Probable                    | 0.7  | 340   | 0.5                                     | 2.6  | 291   | 1.7                                     | 271%    | -14%  | 240%   |
| Hippolyte                   |      |   |   |      |   |   |         |   |  |
| Proved                      | 1.9  | 331   | 1.4                                     | 5.7  | 270   | 3.4                                     | 200%    | -18%  | 143%   |
| Probable                    | 1.7  | 334   | 1.3                                     | 7.1  | 231   | 3.6                                     | 318%    | -31%  | 177%   |
| Sadi                        |      |   |   |      |   |   |         |   |  |
| Proved                      |      |   |   | 6.1  | 232   | 3.1                                     |         |   |  |
| Probable                    |      |   |   | 3.3  | 261   | 1.9                                     |         |   |  |
| Total Ore Reserves          |      |   |   |      |   |   |         |   |  |
| Proved                      | 4.1  | 339   | 3.1                                     | 19.3 | 257   | 11.0                                    | 371%    | -24%  | 255%   |
| Probable                    | 6.8  | 333   | 5.0                                     | 21.3 | 251   | 11.6                                    | 213%    | -25%  | 132%   |
| Total Tiris East<br>Reserve | 10.9 | 336   | 8.1                                     | 40.3 | 254   | 22.6                                    | 270%    | -24%  | 179%   |



# Mining Conventions

# **Tiris Project – Mining Conventions**



**Key Aspects of the Mining Convention** 

The Mining Convention between the Mauritanian Government and Aura provides stability and defines the legal and economic conditions that allow mining activities to occur over a period of 30 years. The key aspects of the mining conventions are:

- i. Accelerated depreciation in the first 3 years post commencement of commercial production.
- ii. Defined State participation of up to 20%.
- iii. Tax rate of 25%.
- iv. A royalty rate of 3.5% FOB value
- v. VAT exemption for the importation of movable goods, materials, equipment, vehicles, and other inputs.
- vi. The right to import and transport all mineral substances and materials related to mining activities.
- vii. The right to export minerals and to trade all substances extracted, produced or processed.
- viii. The right to award all contracts, provided, they are competitive on the world market.
- ix. The choice of human resources management policy, with, a preference to be granted, with equal qualifications, to nationals of the Islamic Republic of Mauritania.
- x. Commitment to the training and development of Mauritanian nationals