Disclaimer and notes

JORC and NI 43-101 Mineral resources and ore reserves

This presentation contains summary information about the Company's activities current as at the date of this presentation. The information in this presentation is of a general background nature and does not purport to be complete or contain all the information investors would require to evaluate their investment in the Company, nor does it contain all the information which would be required in a prospectus or product disclosure statement prepared in accordance with the Corporations Act 2001 (Cth). The Company is not responsible for updating, nor undertakes to update, this presentation. This presentation should be read in conjunction with the Company's other periodic and continuous disclosure announcements, available at http://www.paladinenergy.com.au.

This presentation includes statements that may be deemed “forward-looking statements”. All statements in this presentation, other than statements of historical facts, that address future production, reserve or resource potential, exploration drilling, exploitation activities and events or developments that the Company expects to occur, are forward-looking statements.

Although the Company believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from the expectations expressed in the forward-looking statements. Factors that could cause actual results to differ materially from the expectations expressed those in forward looking statements include market prices, exploitation and exploration successes, continued availability of capital and financing and general economic, market or business conditions and risk factors associated with the Uranium industry generally.

Investors are cautioned that any such statements are not guarantees of future performance and actual results or developments may differ materially from those projected in the forward-looking statements. Readers should not place undue reliance on forward-looking information. The Company does not assume any obligation to update or revise its forward-looking statements, whether as a result of new information, future events or otherwise. No representation is made or will be made that any forward-looking statements will be achieved or will prove to be correct.

In this presentation, for those deposits that are reported as conforming to the Joint Ore Reserves Committee (JORC) 2004 or 2012 code, the terms Inferred Mineral Resources, Indicated Mineral Resources, Measured Mineral Resources, Ore Reserves, Proved Ore Reserves and Competent Person are equivalent to the terms Inferred Mineral Resources, Indicated Mineral Resources, Measured Mineral Resources, Mineral Reserves, Proven Mineral Reserves, Probable Mineral Reserves and Qualified Person, respectively, used in Canadian National Instrument 43-101 (NI 43-101).

The information in this presentation relating to the Mineral Resources and Ore Reserves for all of the Company's deposits other than Langer Heinrich, Michelin, Jacques Lake and Manyingee was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that this information has not materially changed since it was last reported. Refer to the Resource and Reserve Tables slide in the Appendix of this presentation.

Competent Persons Statement

The information contained within this presentation is extracted from the reports titled '30 June 2019 Annual Report' dated 27.08.2019 and 'Prefeasibility Study Delivers Improved Financials and Production Capacity for Langer Heinrich' dated 14.10.2019 and both are available to view on www.paladinenergy.com.au. The Company confirms that it is not aware of any new information or data that materially affect the information included in the original announcement and, in the case of Mineral Resources or Ore Reserves, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's findings are presented have not materially modified from the original market announcement.
Why Paladin?

Paladin has streamlined the company with the sole focus on the restart of the globally significant Langer Heinrich operation in mining friendly Namibia.

Our existing infrastructure, historic mine development and 10-year operations track record provides Paladin an early mover option in an improving uranium price market.

Paladin has a strong financial position with US$35.8M in cash reserves and a FY2021 cash spend forecast of <US$10M.

There is a growing structural $U_3O_8$ supply deficit in the global uranium market which is being exacerbated by COVID-19 production disruptions.

The company has completed an extensive Restart Pre-Feasibility Study that confirms Langer Heinrich’s competitiveness with other large-scale suspended uranium operations.

We have the right team to deliver & execute the Company’s strategy.
Strong financial position

- US$35.8M of Unrestricted Cash\(^1\)\(^2\) provides extended runway for Paladin to execute its strategy
- Significantly reduced cash burn with FY2021 forecast < US$10M (FY2020 guidance US$17M) delivered by:
  - Sale of Kayelekera mine
  - Optimised care & maintenance costs at Langer Heinrich
  - Reduced levels of feasibility work
- US$6M cash due from the sale of Kayelekera mine over the next 3 years (repayment of environmental bond)
- US$142.2M of senior debt\(^1\) including accrued interest, repayment due January 2023
- Paladin will only consider a restart of the Langer Heinrich operation when it secures uranium term-price contracts with sufficient tenure and value to deliver an appropriate level of return to stakeholders

\(^1\) As at 31 March 2020
\(^2\) Restricted Cash US$1M
A Globally Significant Uranium Operation
Langer Heinrich operation overview

- A strategic, tier one mine with a historical production capacity of 5.2Mlb pa U₃O₈
- Paladin suspended operations in May 2018 due to low uranium prices
- Paladin owns 75% (25% owned by CNNC Overseas Uranium Holding Limited)
- Fully permitted and licensed with a 17-year production life remaining
- Our relationships and uranium product are market proven with the company having produced and marketed 43Mlb of U₃O₈ equivalent over 10 years
- Proven top 10 Uranium mine by volume when in production¹
- To build Langer Heinrich today would require a capital investment of over US $600M (plus working capital) and take approximately five years to secure approvals, plan, design, construct and commission

¹. UxC Uranium Production Cost Study – August 2017
Namibia is a premier uranium jurisdiction

- Three globally significant Uranium mines (Husab, Rossing and Langer Heinrich) when at full capacity supply ~15% of the world’s Uranium (~25Mlb pa U₃O₈)
- Uranium has been continually produced in Namibia since 1976 under a stable mining and Uranium regulation regime
- Mining contributes ~25% to the country’s GDP
- Excellent local infrastructure (port, road, rail, water & power) with proximity to the Walvis Bay industrial hub
- Strong community and government support for the uranium industry
Paladin completed a Restart Pre-Feasibility Study in October 2019:

- RC drilling programme provided assurance on high grade mineral resources and stockpiled ore
- Geo-metallurgical testwork programme
- Detailed production restart plan including costs and ramp up schedule
- Processing bottlenecks and growth options identified
- Management systems assessed and optimised
- Process control automation program defined

Externally reviewed and verified by AMC Consultants and PQ Partners

Substantial body of work:

- Six-month programme
- 99,000 labour hours
- Over 100 contributors
- US$4.8M cost
Restart Pre-Feasibility Study economics

12-month lead time to first production after a restart decision is made

- **Cost to Restart Operations**
  - US$80M
  - US$110M

- **Production**
  - 5.2Mlbs pa
  - 6.5Mlbs pa

- **All in Sustaining Cost**
  - US$33/lb
  - US$30/lb

- **Mine Life**
  - 19 years
  - 17 years

- **Restart Capital Intensity**
  - US$15/lb
  - US$17/lb

---

- Production restart costs (restock reagents, workforce recruitment, recommissioning, mobilisation of equipment, tailings dam and other operational readiness) - US$42M
- Repairs and asset integrity improvements - US$38M
- Growth capital improvements to increase production rate - up to US$30M

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1. Capital restart costs divided by annual production volume
2. Average for first five years restarted production
Langer Heinrich restart & debottlenecking plan underway

Restart & Debottlenecking Plan is currently underway and focused on:
• Pre-Feasibility Study (PFS) outcomes being stress tested to maximise financial returns
• Plant reliability and de-risking restart activities
• Future operational and financial projections being reconciled to historical operational performance
• “Base Case” restart plan to be defined and will fall within the range of economic parameters detailed in the PFS

Detailed ASX market update to be released in Q4 FY2020 with key economic parameters
Positive Structural Dynamics

Why Uranium?
• Current uranium supply unable to meet current demand
• Net increase in new nuclear reactors forecast to be built by 2040, after allowing for projected reactor closures (+135)
• Re-start of idled mine capacity and the development of planned & prospective mines requires incentive prices of US$40-80/lb

• Since 2012, utilities have been "under buying" at an average rate of 90Mlb per year relative to consumption
• US and European utilities have largely rundown stockpiles and contract positions put in place pre-Fukushima
• Asian utilities have higher stockpiles than their Western counterparts, but these are also decreasing
Current pricing unsustainable

**Uranium Market Prices 2011-20**

**US$/lb**

- Spot uranium prices have declined approx. 60% since the Fukushima nuclear accident
- Term prices have been below US$40/lb since mid-2016
- Current pricing is sub-economic for existing producers and below incentive pricing for suspended operations

**COVID 19 Disruptions**
- Mining operations have been disrupted at Cigar Lake, Kazatomprom and Namibian operations
- Suspensions are exacerbating the structural supply deficit
- Upward movement in the spot market price may be a precursor to term market activity
Primary uranium production cut-backs announced since 2016 total 45Mlb pa (excluding COVID disruptions)

- US contract coverage reaching critical lows
- Minimal change in contract coverage since 2018
Paladin Investment Conclusion
### Paladin investment conclusion

1. **Paladin is poised to take advantage of improving Uranium market**
   - Growing structural supply deficit
   - Primary production cuts continuing
   - US utility contract coverage reaching critical lows
   - COVID19-related disruptions further tightening supply

2. **Langer Heinrich is competitively positioned versus other suspended mines**
   - 12-months to recommence production from decision to restart
   - Modest restart costs and competitive operating costs
   - Proven product quality
   - Globally significant operation
   - Lower incentive price than green-fields projects

3. **Strong Financial Position**
   - Significant runway to execute strategy
   - Greatly reduced cash burn rate and significant cash on hand
   - Disciplined and patient approach
   - Flexibility to respond to market conditions
Paladin corporate snapshot

Market Snapshot ASX: PDN

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Shares on issue</td>
<td>2.027B</td>
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<tr>
<td>Share price (as at 14 April 2020)</td>
<td>0.093c</td>
</tr>
<tr>
<td>Market capitalisation A$</td>
<td>188.6M</td>
</tr>
<tr>
<td>Market capitalisation US$¹</td>
<td>116.9M</td>
</tr>
<tr>
<td>Unrestricted cash US$²</td>
<td>35.8M</td>
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<tr>
<td>Debt US$³</td>
<td>142.2M</td>
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</table>

Major Shareholders³

<table>
<thead>
<tr>
<th>Shareholder</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tembo Capital Management Ltd</td>
<td>12.90%</td>
</tr>
<tr>
<td>Paradise Investment Management Pty Ltd</td>
<td>9.52%</td>
</tr>
<tr>
<td>Value Partners Ltd⁴</td>
<td>6.86%</td>
</tr>
<tr>
<td>Hopu Clean Energy (Singapore) Pte. Ltd.</td>
<td>5.94%</td>
</tr>
</tbody>
</table>

A Supportive Shareholder Base⁵

Geographic split
- Australia: 28%
- Asia: 15%
- North America: 25%
- UK/EU: 7%
- RoW: 25%

Top 50 holders own 90% of shares

Specialist Uranium Funds³

<table>
<thead>
<tr>
<th>Fund</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sachem Cove Partners, LLC</td>
<td>3.77%</td>
</tr>
<tr>
<td>Segra Capital Management, LLC</td>
<td>3.41%</td>
</tr>
</tbody>
</table>

1. A$/US$ exchange rate 0.62
2. As at 31 March 2020. Restricted Cash US$1M
3. As at 31 March 2020
4. As at 8 April 2020
5. As at 29 February 2020
Meet the new Board and CEO

Cliff Lawrenson
Non-Executive Chairman
Mining executive with deep expertise in the minerals and energy sectors derived from global experience having worked extensively in project development and investment banking. A successful track record of leading strategic direction in companies and executing corporate transactions.

Peter Main
Non-Executive Director
Mining and finance professional with extensive experience of the financial markets with a wealth of industry experience, having spent almost 15 years in a variety of roles in the mining industry from operations through to CEO of a TSX-V listed mining company.

Peter Watson
Non-Executive Director
Chemical engineer with extensive experience in the global resources sector across senior technical, project, and management roles as well as running ASX-listed companies. His experience includes project development, project delivery, asset optimization and mining facilities operations across multiple commodities and global jurisdictions.

Ian Purdy
Chief Executive Officer
Highly-respected executive with over three decades’ experience within Australian and international resources companies. He has delivered significant shareholder value through managing and optimizing operations, delivering large projects and executing on business improvements and asset sales. He also has extensive capital markets experience and a proven track record of delivering company funding requirements.
Meet the new management team

Anna Sudlow
Chief Financial Officer

Highly qualified CFO with 25 years of experience across the energy and resources sectors specialising in corporate finance and funding, commercial management and investor relations. Her experience includes roles at ASX listed companies in senior leadership positions with a focus on finance and commercial.

Michael Drake
Chief Operating Officer

Mining Professional with 25 years of experience in diversified studies, projects and operational leadership roles which included executive leadership roles in Australia, South America, Papua New Guinea and Indonesia with a range of large Australian companies and in diversified operations.

Gary Stoker
Principal Uranium Marketing Consultant

Uranium marketing professional with over 30 years’ experience in the nuclear fuels industry, working with Paladin in various capacities since 2008. Previously, co-founded a Uranium asset management company with prime responsibility for the management of nuclear fuels trading portfolios. Has worked as an investment advisor to a Uranium fund.

Andrea Betti
Company Secretary (Consultant)

Accounting and corporate governance professional with over 20 years’ experience in accounting, corporate governance, corporate advisory, finance and corporate banking, and has acted as Chief Financial Officer and Company Secretary for companies in the private and publicly listed sectors.
A quality global suite of exploration assets

Michelin (55%)
- 52,250 ha mineral licence in Labrador
- 256,771 m of cumulative linear drilling
- US$6.2M of total historical in ground exploration to date
- Among largest deposits in North America
- Potential development 2022-2025 timeframe

Status: Pre-development exploration

Carley Bore (100%)
- Two exploration licences covering 6,346 ha with retention status 100 km south of Manyingee
- US$7.0M of total historical in ground exploration to date
- Acquired in 2015 for US$13M
- Potential for “stand alone” or satellite ISR to Manyingee ISR project

Status: Advanced exploration

Manyingee (100%)
- Three mining licences covering 1,307 ha
- Over US$17.9M of exploration and testing to date including 55,298 m of cumulative drilling and a field leach trial completed
- Potential for 1-2Mlb pa ISR mine

Status: Advanced exploration

Mt Isa (100%)
- Six Mineral Development Licenses covering 14,011 ha and three Exploration Permits
- Largest Uranium deposit in Queensland
- Potential for future development of uranium mine

Status: Pre-development exploration

Global Exploration Project Resource\(^1\)
- 203 Mt at 710 ppm U\(_3\)O\(_8\) for 317.6Mlb

1 Measured, indicated and inferred resources for the Michelin, Mount Isa and Manyingee Projects (including Carley Bore) on a 100% Project basis as at June 2018.

Source: Paladin Research
Resource & reserve tables

### 30 June 2019

<table>
<thead>
<tr>
<th>Ore Reserves</th>
<th>Mt</th>
<th>Grade ppm U3O8</th>
<th>Mt/boe U3O8</th>
<th>Paladin Ownership (%)</th>
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</thead>
<tbody>
<tr>
<td>Namibia</td>
<td></td>
<td></td>
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<tr>
<td>Proven66</td>
<td>42</td>
<td>525</td>
<td>48.5</td>
<td>75</td>
</tr>
<tr>
<td>Probable66</td>
<td>13.1</td>
<td>485</td>
<td>14</td>
<td>75</td>
</tr>
<tr>
<td>Stockpiles6</td>
<td>30.8</td>
<td>355</td>
<td>24</td>
<td>75</td>
</tr>
<tr>
<td>Total Namibia</td>
<td>85.9</td>
<td>455</td>
<td>66.5</td>
<td>75</td>
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</table>

<table>
<thead>
<tr>
<th>Vanadium Mineral Resources</th>
<th>Mt</th>
<th>Grade ppm V2O5</th>
<th>Mt/boe V2O5 (100% basis)</th>
<th>Paladin Ownership (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Namibia</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measured</td>
<td>66.2</td>
<td>160</td>
<td>23.3</td>
<td>75</td>
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<tr>
<td>Indicated</td>
<td>13.8</td>
<td>140</td>
<td>5.8</td>
<td>75</td>
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<tr>
<td>Inferred</td>
<td>6.3</td>
<td>135</td>
<td>1.9</td>
<td>75</td>
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<tr>
<td>Stockpiles</td>
<td>30.8</td>
<td>115</td>
<td>7.8</td>
<td>75</td>
</tr>
<tr>
<td>Total Namibia</td>
<td>122.1</td>
<td>145</td>
<td>38.8</td>
<td>75</td>
</tr>
</tbody>
</table>

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