

# Moving towards a New Energy Future

High-value **Bitumen, Geothermal** and  
**Uranium** assets



# Important Information

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## COMPETENT PERSON STATEMENT

The information in this presentation that relates to the Alpha Mineral Resource Estimate is based on information compiled by Mr. Carl D'Silva, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy (Member number 333432). Mr. D'Silva is a full-time employee of SRK Consulting (Australasia) Pty Ltd, a group engaged by the Company in a consulting capacity.

Mr D'Silva has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr D'Silva consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The Company confirms that it is not aware of any new information or data that materially affects the information included in the Mineral Resource Estimate dated 9 March 2022 as announced to the ASX on that date and which is available at [www.greenvaleenergy.com.au](http://www.greenvaleenergy.com.au). The Company confirms that in relation to the Alpha Torbanite Project Mineral Resource Estimate, all material assumptions and technical parameters underpinning the estimate continue to apply and have not materially changed when referring to its resource announcement made on 9 March 2022.

The information in this presentation that relates to liquefaction testing is based on information compiled by David Cavanagh, a Competent Person who is a Member of The Australasian Institute of Mining and Metallurgy AusIMM Member number 112318. David Cavanagh is a full-time employee of Core Resources.

David Cavanagh has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. David Cavanagh consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



# Greenvale Energy – Our Value Proposition

## FUTURE-FOCUSED HIGH-QUALITY ASSETS



Projects capable of delivering **high-value products** into strongly **growing markets**...

# GRV: Corporate Summary

## CAPITAL STRUCTURE

**486.9M**

Shares  
on issue

**22.8M**

Performance Rights  
on issue

**\$20.4M**

Market Capitalisation  
(5 Feb 2025)

**\$1.7M**

Cash at Bank  
(5 Feb 2025)

**\$0.042**

Share Price  
(5 Feb 2025)

**\$1.6M**

Liquid Investments  
(5 Feb 2025)

**45.7%**

Top 20  
Shareholders

**20.0%**

Directors Shareholding

## BOARD & MANAGEMENT



**Neil Biddle**  
*Executive Chairman*

Geologist with +40 years' experience in exploration and mining. Founding Director of Pilbara Minerals, where he oversaw the acquisition, exploration and development of the world-class Pilgangoora Lithium Project.



**John Barr**  
*Non-Executive Director*

Chartered Accountant with +25 years experience as director of various companies. Founding Director of Mosman Oil and Gas Limited. Extensive Australian and international experience with exposure to manufacturing, mining and oil gas industries



**Elias Khouri**  
*Non-Executive Director*

Extensive experience in equity markets, with expertise in corporate finance, advisory, capital raisings, joint venture and farm-in negotiations.



**Peter Harding-Smith**  
*Chief Financial Officer & Company Secretary*

Extensive experience in all aspects of company financial reporting, corporate regulatory and governance areas, business acquisition and disposal due diligence, capital raising, company initial public offerings and company secretarial responsibilities



**Mark Turner**  
*Technical consultant- Alpha*

Engineer with +25 years' experience in the energy sector and a proven track record of major project delivery in oil & gas, water, power, renewables, and nuclear projects.



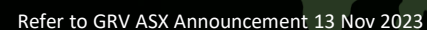
**Zoe Stackhouse**  
*Principal Geologist*

Geologist with +15 years' experience in unconventional gas exploration and production. Secretary - Australian Geothermal Association



- Substantial expenditure to date with strong government R & D Grant Support
- Over \$7M invested
- Over \$3M in R&D grants
- Test program 6 has commenced
- Next Steps - Test program 7 to produce a bulk sample for certification

total expenditure to date



# Global Nuclear Industry: Current State of Play



**440 nuclear reactors  
in 32 countries  
producing 9% of  
global energy  
requirements**



**65 reactors under  
construction**



**110 reactors in  
advanced planning  
stage, predominantly  
large 1-1.5GW  
conventional reactors.  
Small Modular  
Reactors (SMR's) and  
Advanced Modular  
Reactors (AMR's)**



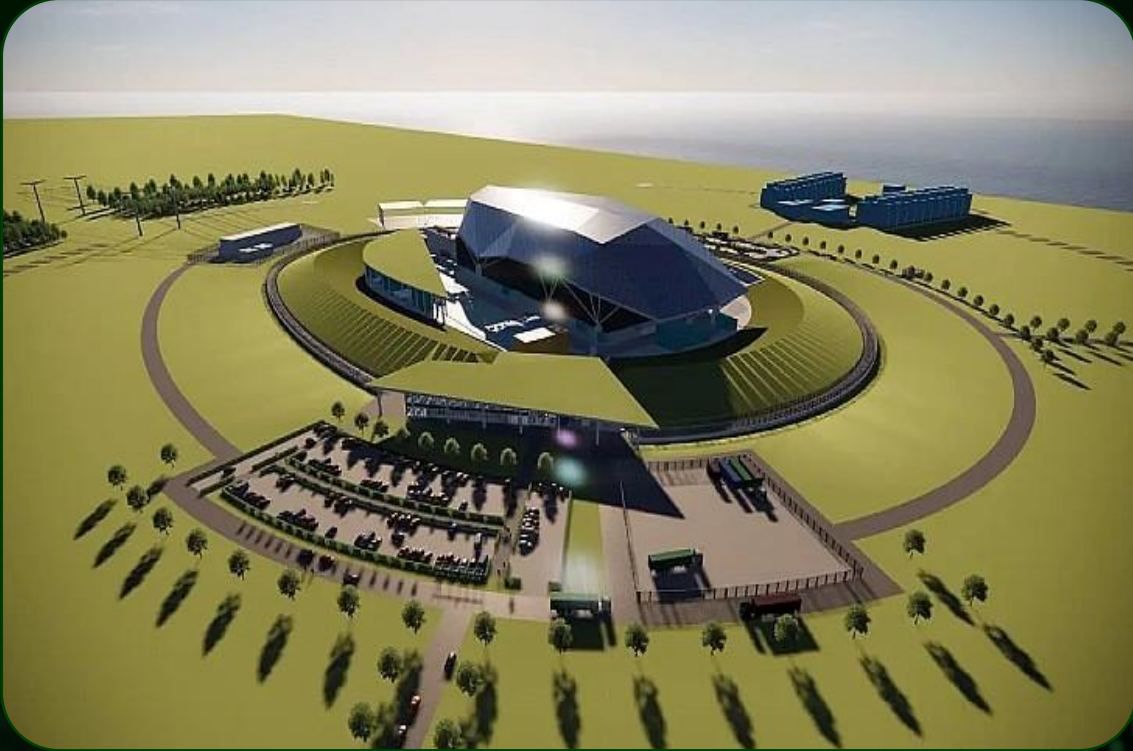
**Nuclear power  
projected to grow  
+300% by 2050 to  
produce 30% of global  
power requirements.  
Outlook supported by  
14 of the world's  
largest Banks and 32  
of the world's largest  
economies**



**Many of the world's  
biggest and smartest  
companies are  
developing SMR's and  
AMR's**



# Small Modular Reactors



## Rolls-Royce Small Modular Reactor (SMR)

- the UK's first domestic nuclear technology in more than 20 years
- providing a British solution to a global energy crisis.
- generate 470 megawatts of low carbon energy
- equivalent to more than 150 onshore wind turbines

Source: [www.rolls-royce-smr.com](http://www.rolls-royce-smr.com)



## NUWARD Small Modular Reactor (SMR)

- Small, modular power plant
- Produce reliable, low carbon energy
- is delivering nuclear power projects today and has more than 60 years of experience
- replace coal-fired plants in the 300-400MWe range
- supply remote municipalities and energy-intensive industrial sites.

Source: [www.nuward.com](http://www.nuward.com)



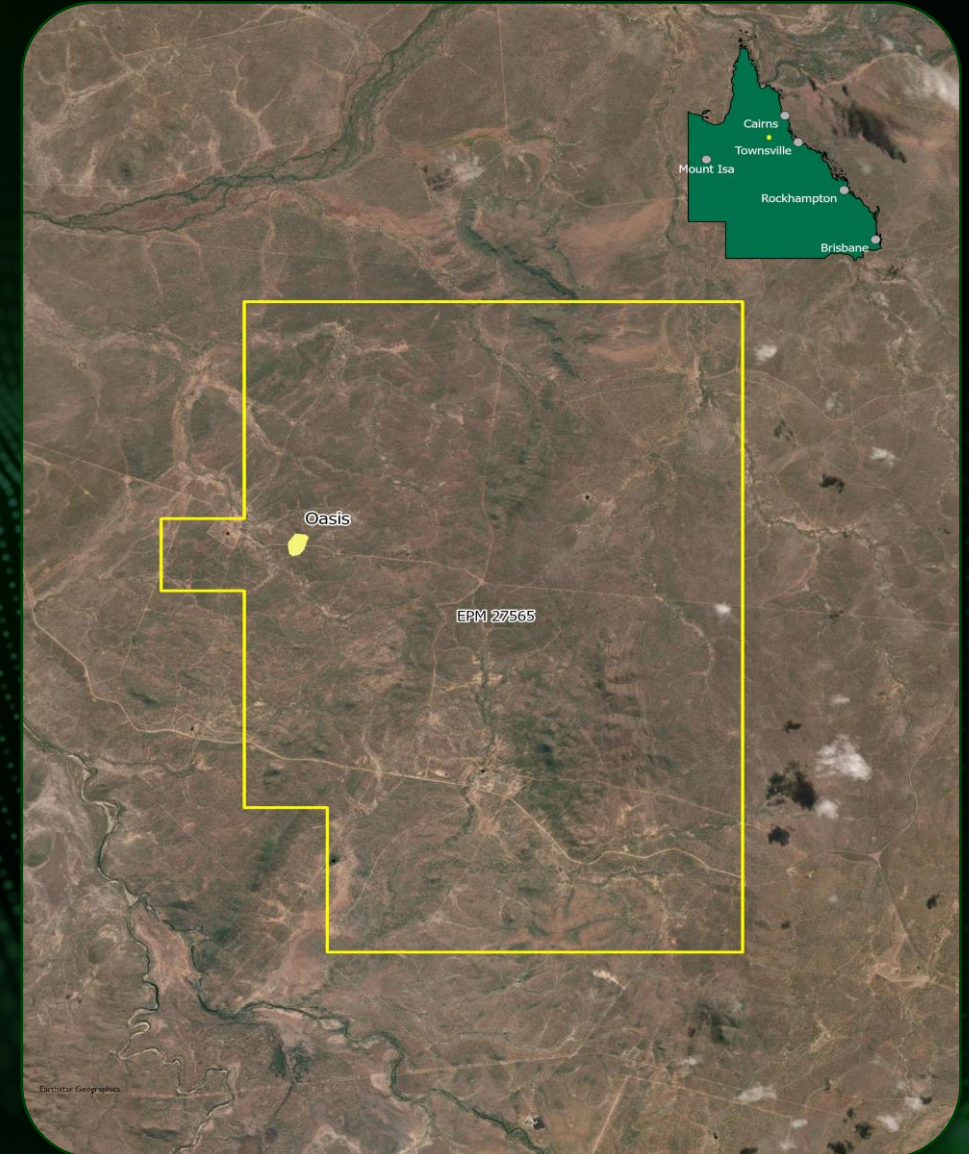
# Oasis Project

The project is a high-grade uranium deposit

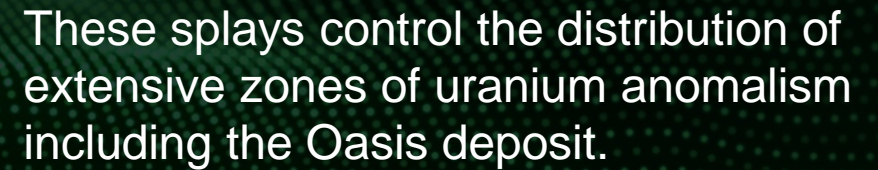
Drill intercepts up to 0.72% U<sub>3</sub>O<sub>8</sub> ppm (15.8 lbs/t).

## HISTORICAL HIGHLIGHTS

- Discovered in 1973 and has been explored sporadically ever since.
- 1978/79 Esso completed a total of 14 open hole percussion and 32 precollared diamond holes were drilled totalling 4755.45 metres.
- 2005/6 Glengarry Resources drilled 4 diamond holes





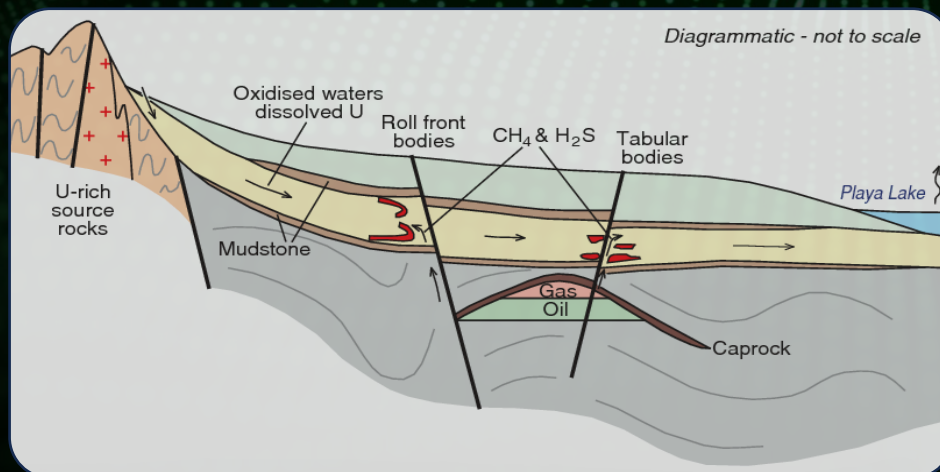




# Northern Territory Uranium Projects

## Four projects all with similar characteristics

- Prospective for sandstone hosted and unconformity style uranium mineralisation
- Identifiable source of Uranium from either hot granites or their derivatives.



\*Diagram showing proposed model. Uranium is carried in oxidised groundwaters and reduced by hydrocarbons and/or H<sub>2</sub>S released from the underlying oil and/or gas field.



- Meteoric weathering and drainage patterns for accumulation of oxidising Uranium and associated radioactive minerals.
- Carbonaceous rocks acting as a reductant to concentrate oxidised Uranium out of solution



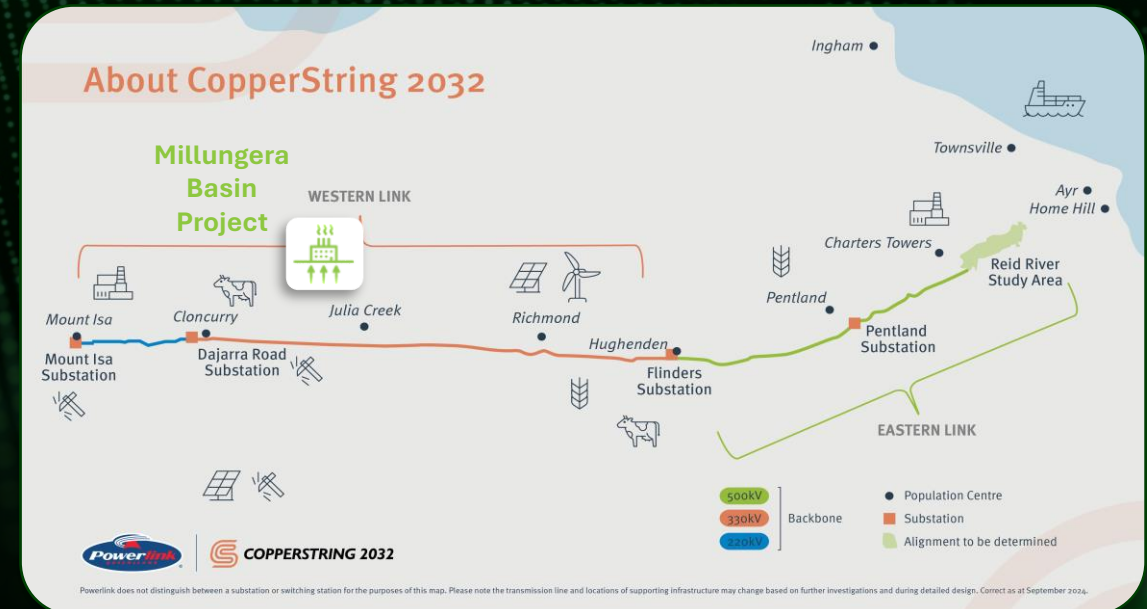
# Geothermal: Millungera Basin

## UNTAPPED RENEWABLE ENERGY OPPORTUNITY

- One of the most prospective areas for geothermal energy in Australia.
- Significant technology breakthroughs in US and Europe make this a high potential project.
- Hottest rocks in Queensland, Australia.
- Millungera Basin total identified stored thermal energy potential likely to exceed 611,000 PJ (@ 90% probability)
- Estimated annual electricity generation 29,621GWh<sup>1</sup> from inferred resource areas.
- Potential to produce 3.4GW continuously.



Venting steam from a geothermal site in Nevada which demonstrated Fervo could create an enhanced reservoir to produce geothermal power. Source: Fervo Energy



(1) Source: GSQ technical report, Queensland Geology 14: An assessment of the geothermal energy potential of northern and eastern Queensland (Talebi et al., 2011).



# Key Investment Takeaways

## MULTIPLE VALUE-CREATION PATHWAYS

- ✓ A unique growth opportunity in **future-focused, critical, high-value** commodities
- ✓ Ideally positioned to become Australia's only end-to-end **domestic source of bitumen** for burgeoning infrastructure demand
- ✓ New **Uranium** Project in the **World Class Pine Creek Mineral Field**
- ✓ Potential world class **Uranium intrusive style** deposit at Oasis
- ✓ **Renewable Energy** Geothermal advancing in Queensland
- ✓ **Experienced team** with exceptional track record of value-creation for shareholders

*Projects capable of delivering **high-value products** into strongly growing **markets**...*