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Australian Uranium – a World of Opportunity

Australian Uranium – a World of Opportunity

World Nuclear Fuel Market 2025

There's more to
**Australian
Mining**

BHP



Technical and regulatory context

Australia's participation in the nuclear fuel cycle

- 70 years of uranium mining in Australia
- World-class regulatory settings
- 60 years of nuclear research reactor
- 40 year program for nuclear submarines
- Early works for high level waste repository

**Australian Atomic Energy Commission
and
Department of National Development**



Prospecting and Mining for Uranium in Australia



Notes for the Guidance of Prospectors

*1814

Environmental outcomes

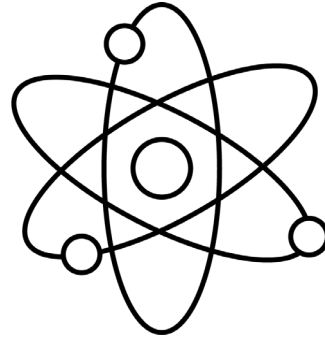
Ranger Uranium Mine and Kakadu National Park (KNP)

- Both established in 1979
- KNP is UNESCO-recognised
- Total area of almost 20,000km²
- Ranger Uranium Mine closed in 2021
- Averted 5 billions tonnes of CO₂



Olympic Dam, South Australia (BHP)





Australia is the **ONLY** G20 nation
not considering a role for nuclear
energy in decarbonisation

2025: the global shift to nuclear

**“Indonesia plans 10 GW nuclear power
in major renewable energy push”**

- Reuters

**“Why is Southeast Asia
turning to nuclear power?”**

- DW

**“Germany drops opposition to nuclear
power in rapprochement with France”**

- The Financial Times

**“Plans for Poland’s first nuclear
power plant move ahead”**

- Associated Press

**“99 Percent of All Electricity Will Be
Used to Power Superintelligent AI”**

- Eric Schmidt, former CEO - Google

**‘It’s time’: Donald Trump plans to
quadruple nuclear power generation**

- The Australian

**“India needs to fast-track nuclear power projects,
government committee urges”**

- Hindustan Times

**“China Will Generate More Nuclear Power Than
Both France and the United States by 2030”**

- The Diplomat

**“Japan to increase nuclear power as new crises
overshadow fears of Fukushima repeat”**

- ABC

State Policy

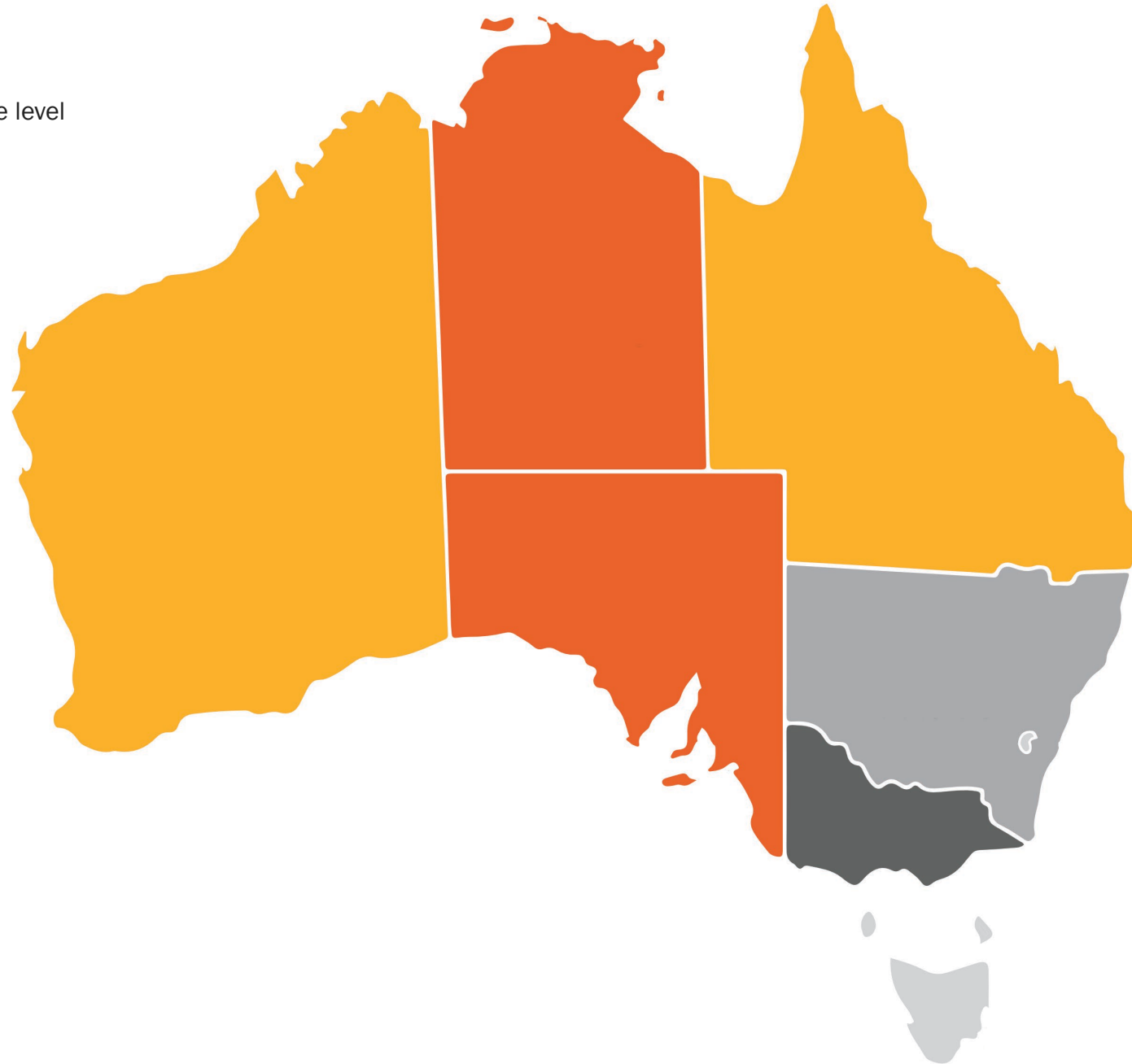
Uranium mining policies are set at the state level

There's more to
**Australian
Mining**

2 states

permit uranium mining

Meanwhile, the rest remain
opposed to uranium mining
and, in the case of Victoria,
even exploration.



State Policy

Uranium mining policies are set at the state level

There's more to
**Australian
Mining**

3 mines

Operate in South Australia

Olympic Dam is a large polymetallic underground operation. Honeymoon and Four Mile are mined via In-situ Recovery (ISR) processes.



Strategic positioning

AUKUS Agreement

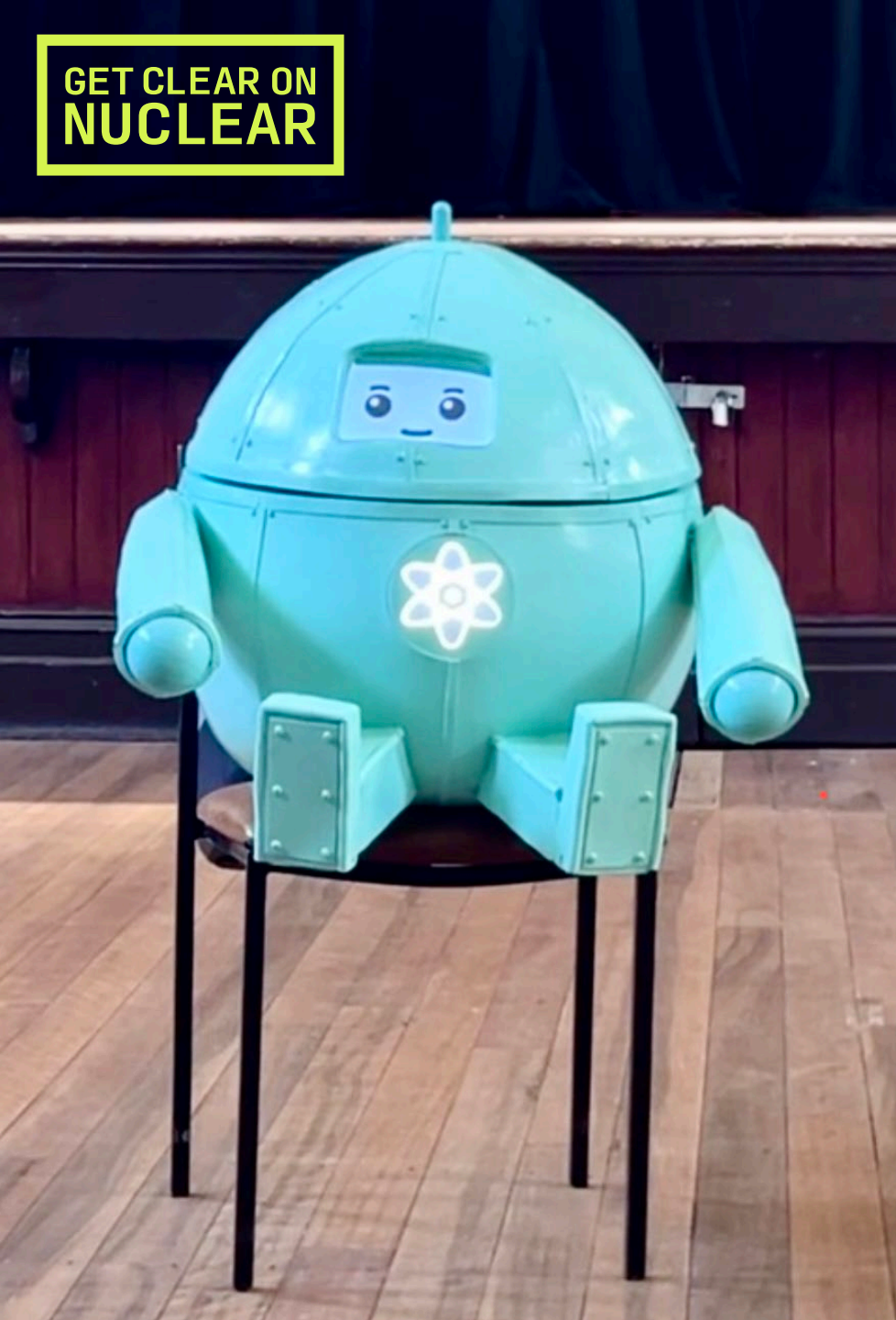
- A trilateral defence program
- Australia will operate and build nuclear powered submarines
- The only country **without** a civilian nuclear energy sector to attempt such an uplift



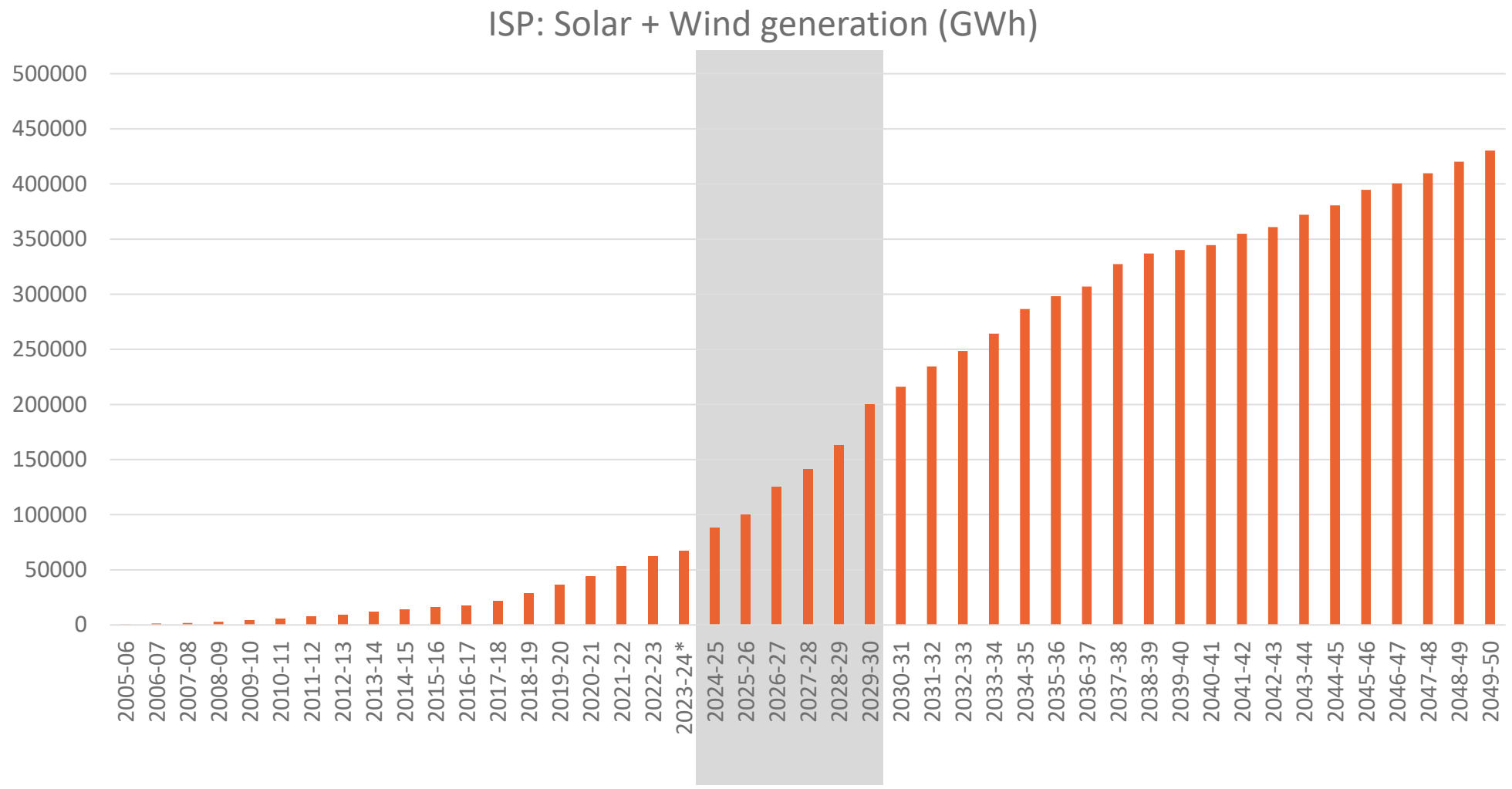
Advocacy

Nuclear campaigns

- **Get Clear On Nuclear**
(Minerals Council of Australia)
- **Grace Stanke 2025 National Tour**
(Nuclear for Australia)



Australian RNE capacity – 2025-2030 (and beyond)



The future

Managing national, economic and energy security

- Balance our energy grids
- Embrace technology
- Plot a path to net zero

Finally...



minerals.org.au



Thank you