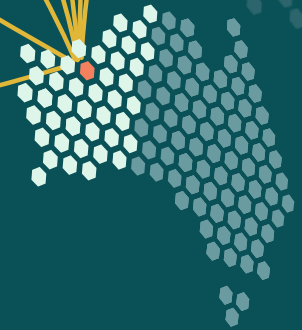


Gingerah Energy Hub

Renewable Energy

Renewable Hydrogen | Power Generation | Data Centers

October 2024



The Future is Now.

GREEN ENERGY



The Future is Now.



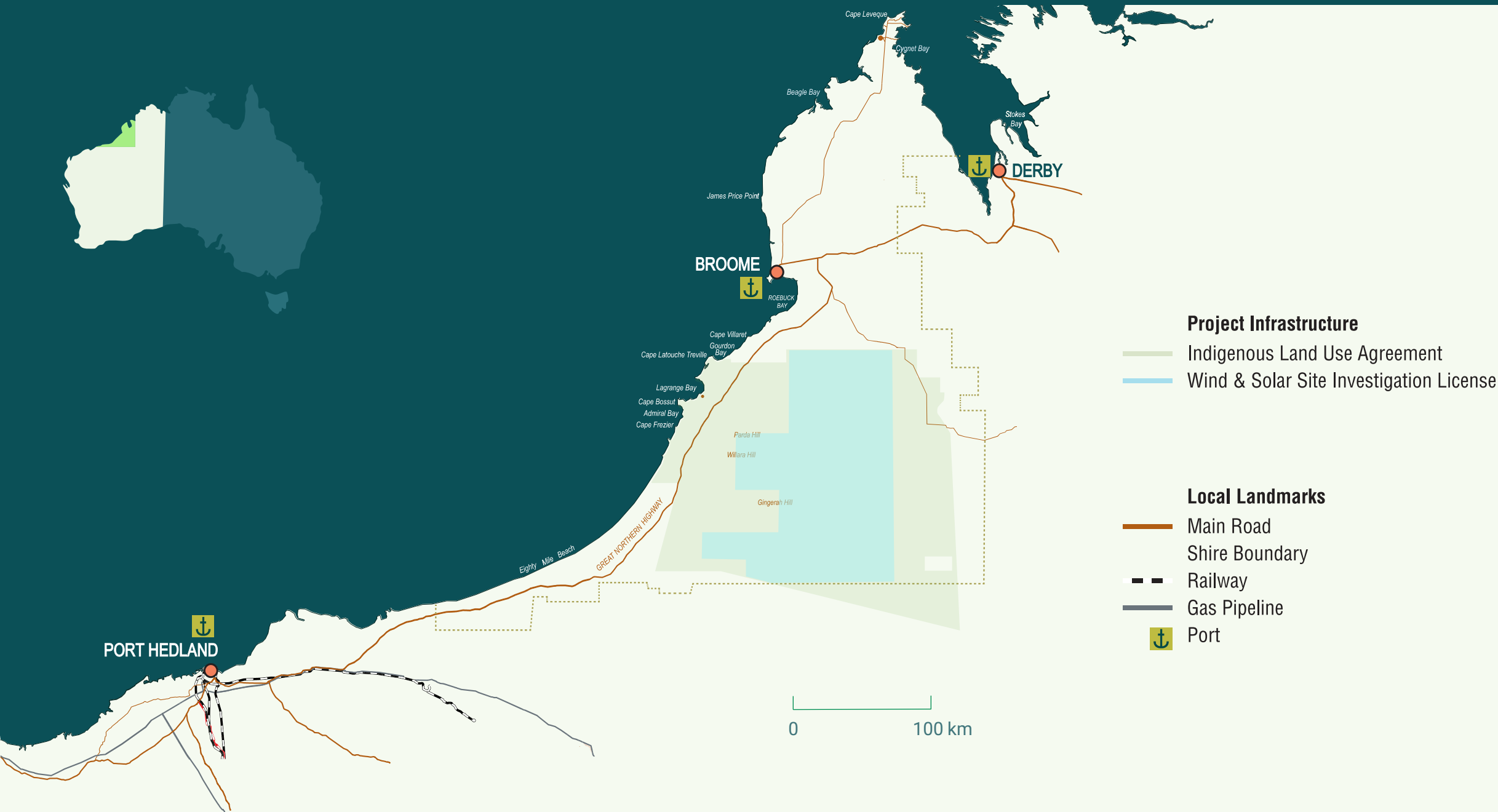
Vision

To produce affordable clean energy, providing energy security and a sustainable economy in the northwest of Australia.

Mission

To sustainably harness the natural energy resources of the Gingerah area and build infrastructure for economic development in the northwest of Australia with traditional owners and the local community.

Gingerah Energy Hub: Project Location & Scale

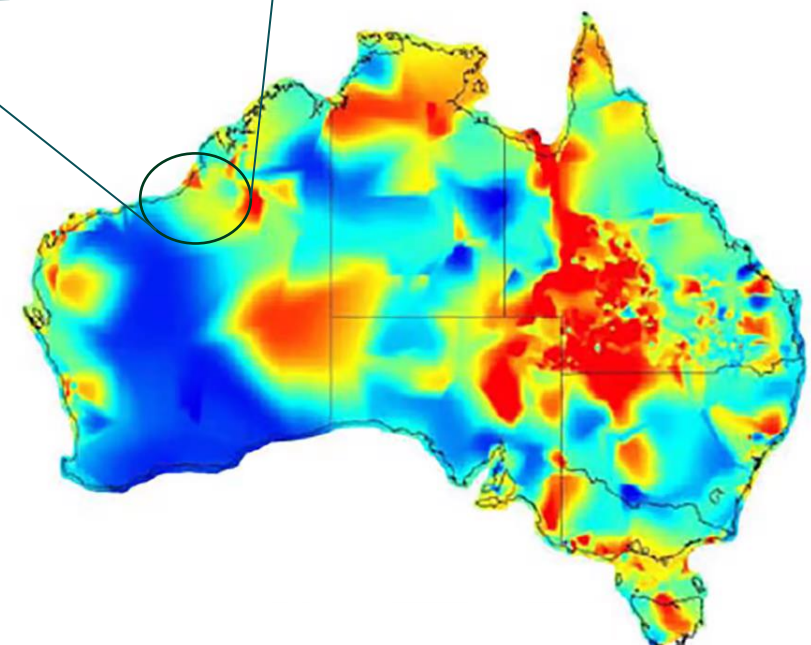
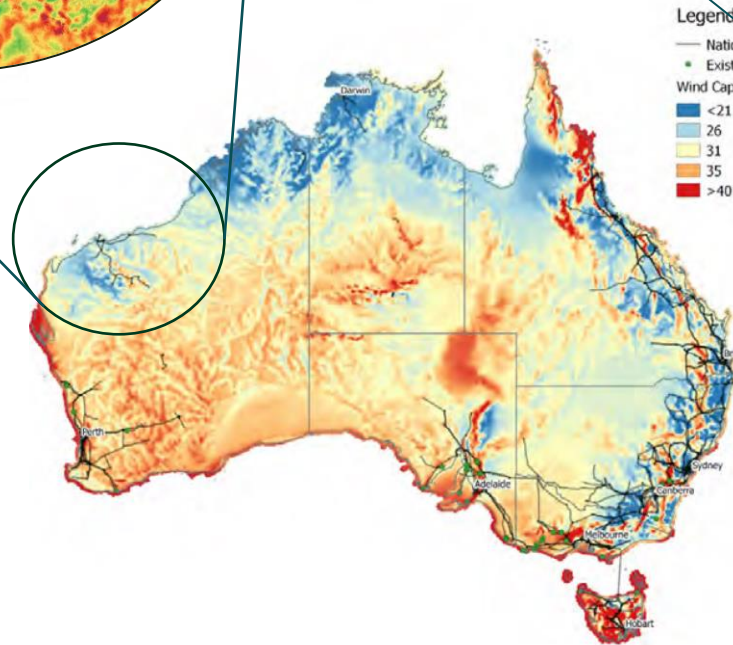
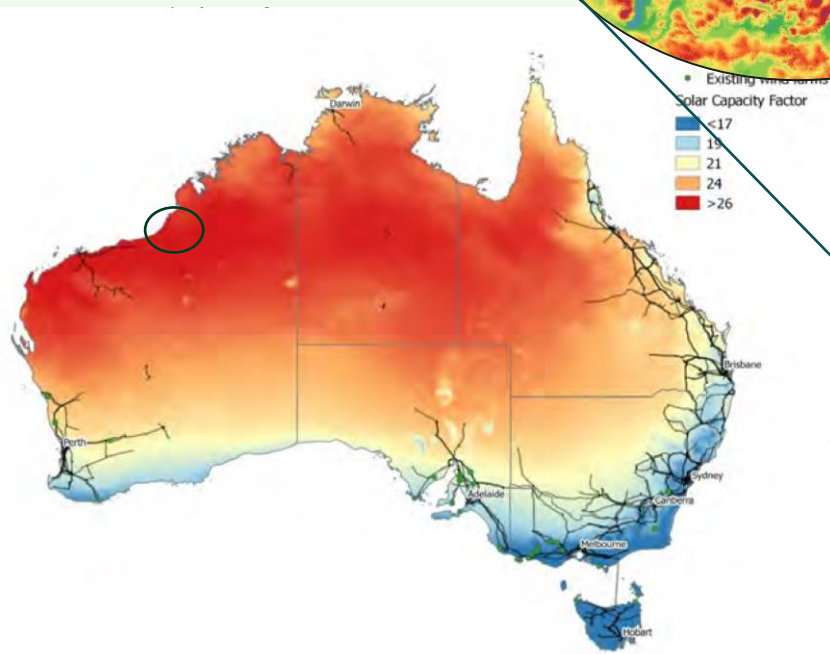
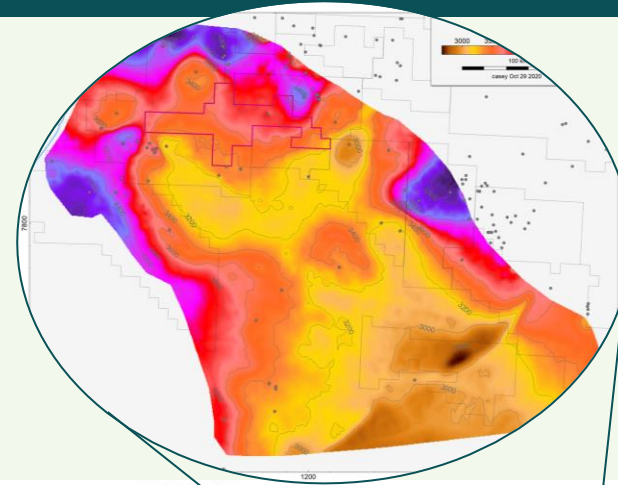
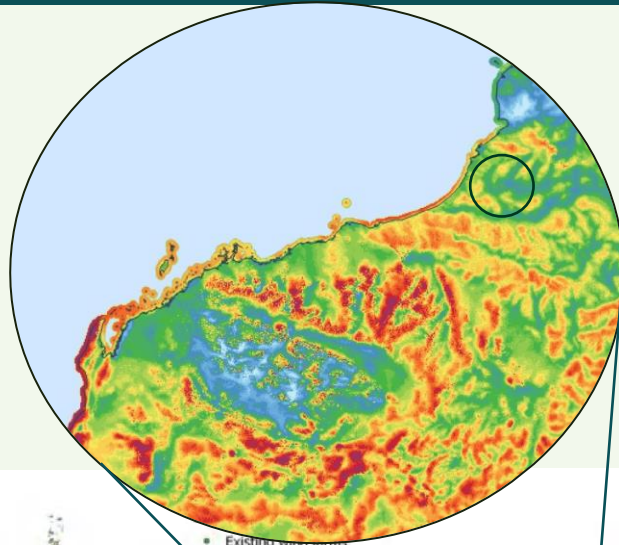


Project Agreement Area



30,000 km²

World Class Renewable Energy Resources



Solar

Wind

Geothermal

Gingerah Energy Hub will initially produce 1 mtpa of green ammonia from up to 3 GW of renewable energy capacity.

10,000 km²

Site Characterisation
Tenure

1 mtpa

Green Ammonia
production

3,600 km²

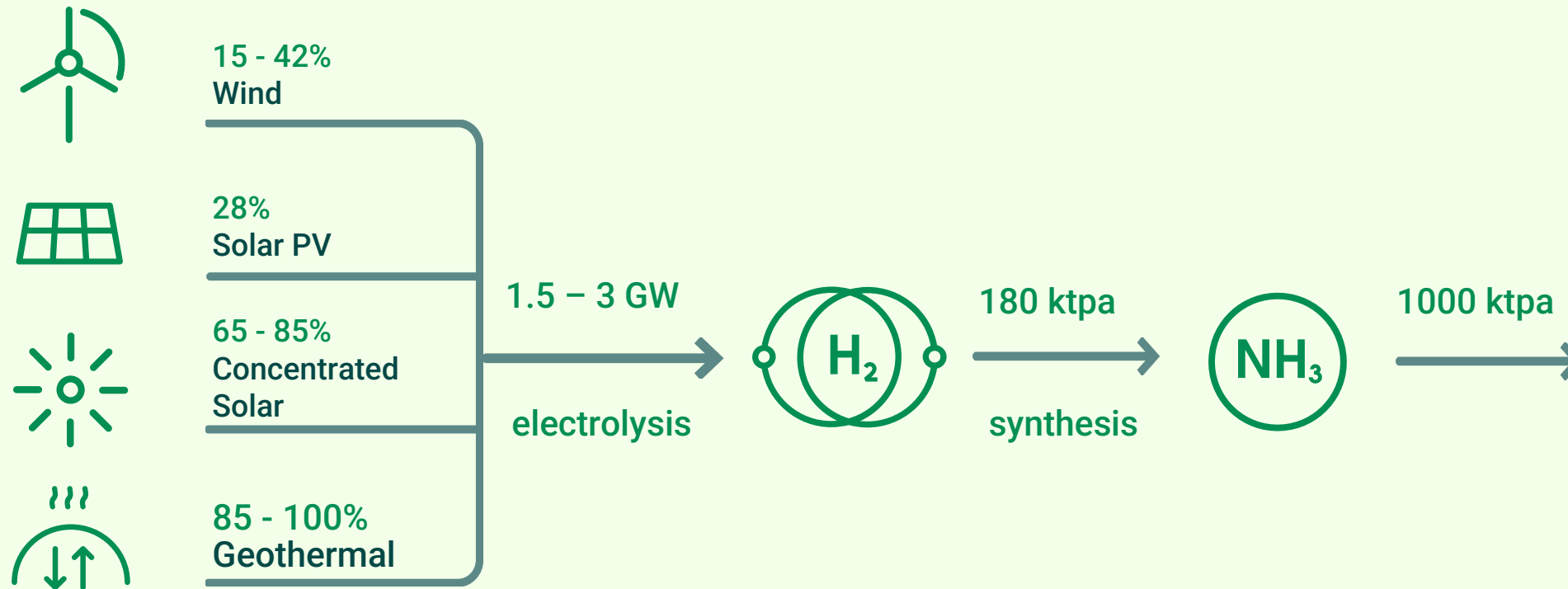
Geothermal Energy
Exploration
Permit

3 GW

Renewable
Energy
Capacity



Process Overview Gingerah Energy Hub



Renewable Energy Generation

Each technology has a different capacity factor meaning availability can vary between 15 -100%

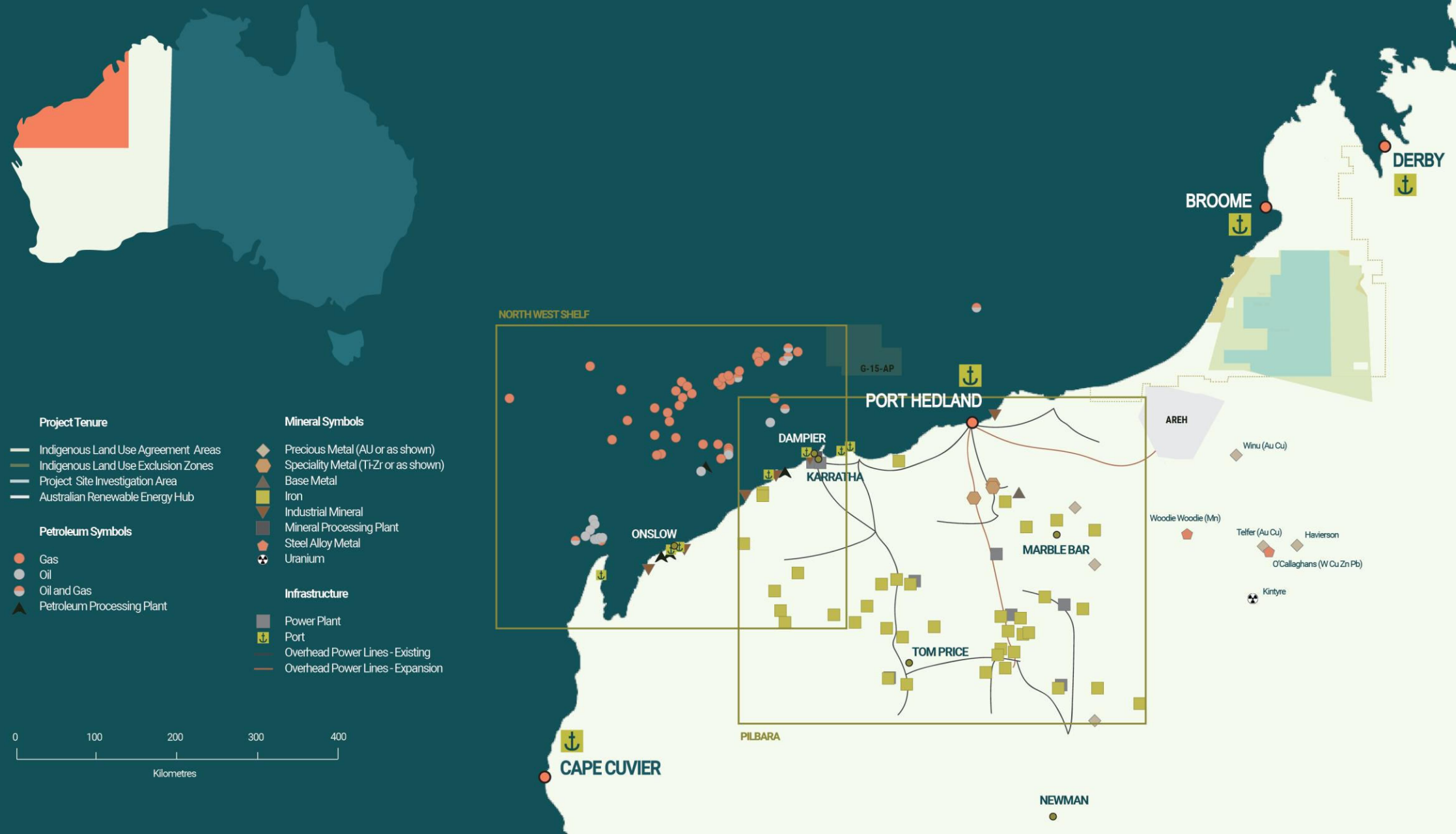
Green Hydrogen Production

Electrolysis splits oxygen from hydrogen atoms in water to produce green hydrogen

Green Ammonia Production

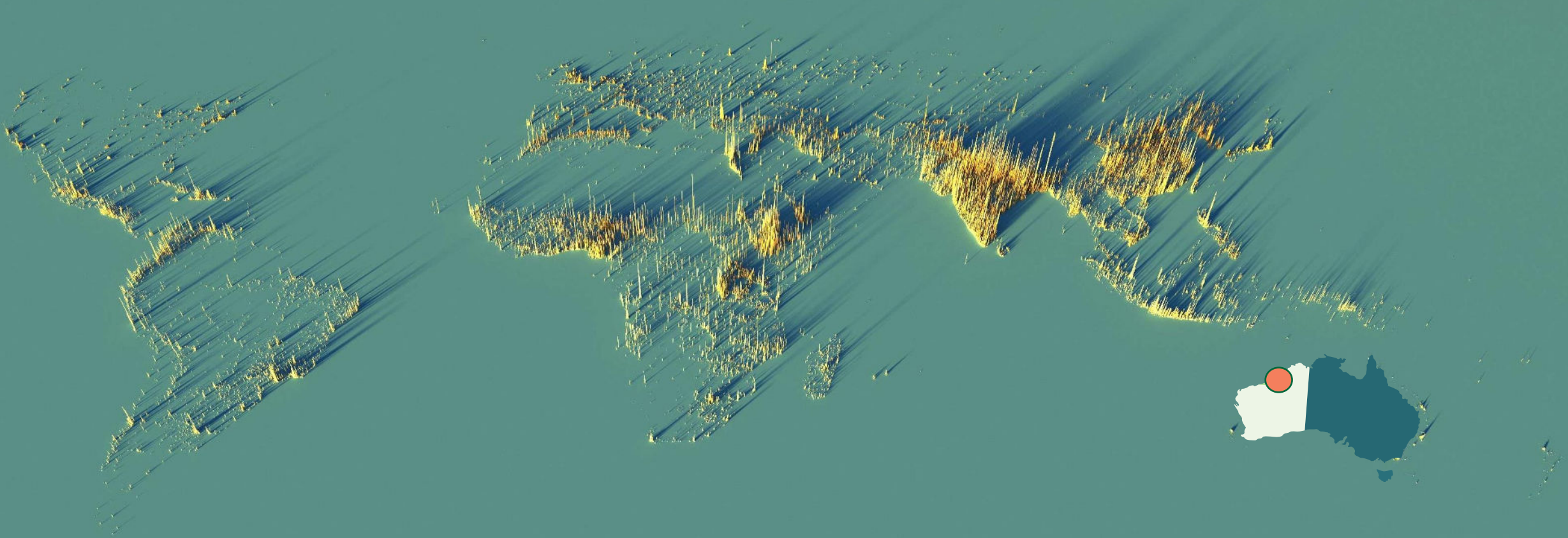
Haber-Bosch Synthesis combines nitrogen atoms from air with green hydrogen to produce green ammonia

Proximity to Port Hedland and the Pilbara



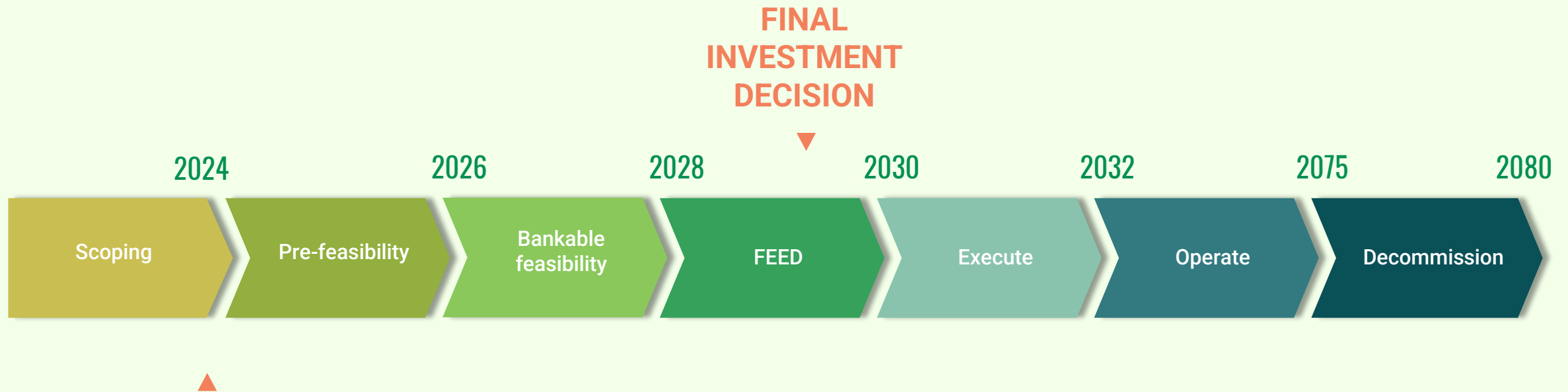
Proximity to Fast Growing Markets

The height of the spikes relates to the number of people living in an area – roughly 2km x 2km



Stage-gated Project Timeline

A large multi-billion US\$ renewable energy project with a capacity of circa 3 GW could be developed and commissioned in circa 7 – 10 years & operate for 40+ years producing > 10 TWh of energy per year.





The Future is Now.

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