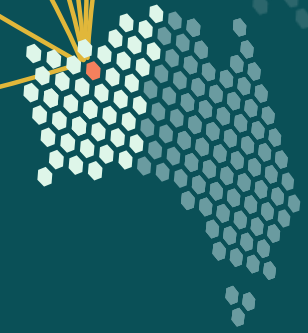


# Gingerah Energy Hub

Renewable Energy

Renewable Hydrogen | Power Generation | Data Centers

October 2024

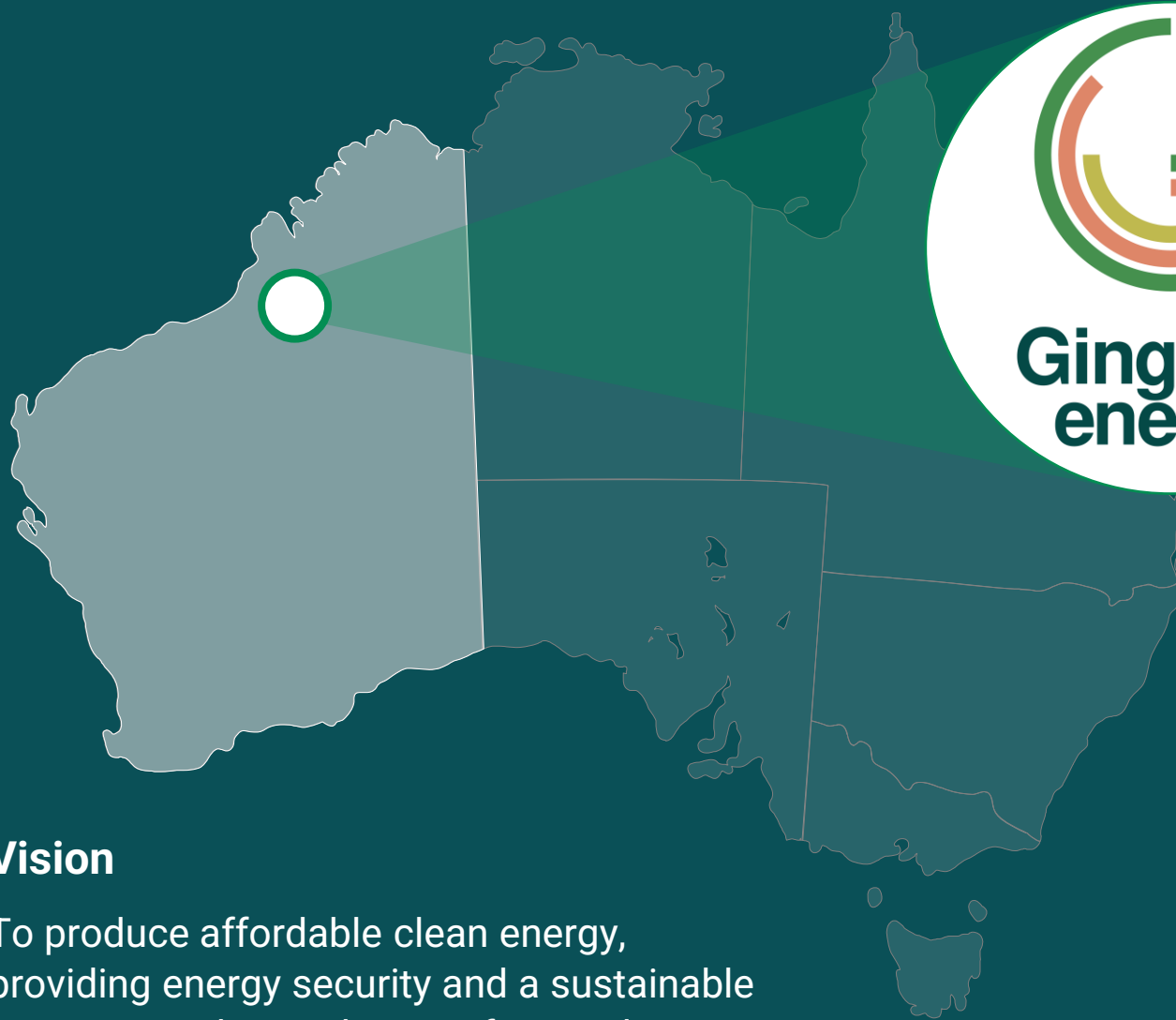


The Future is Now.

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

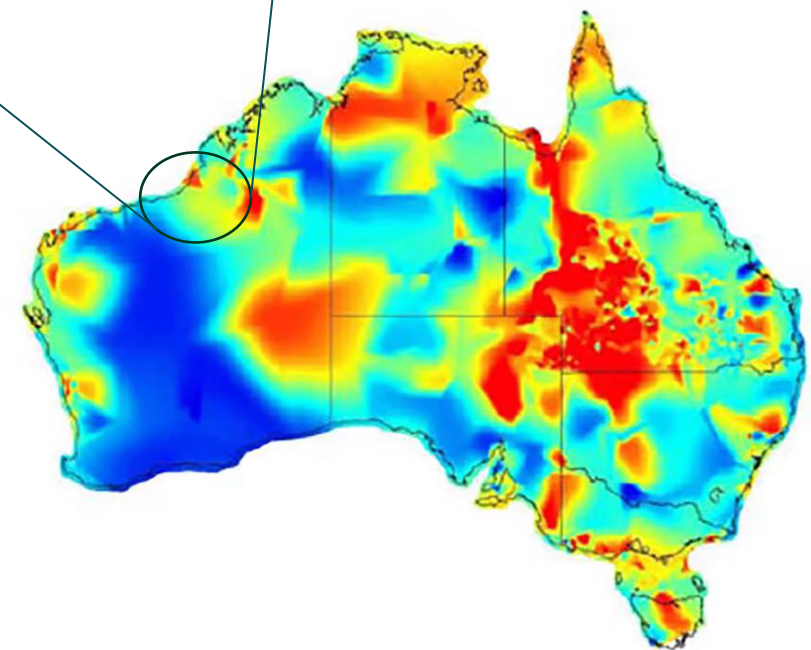
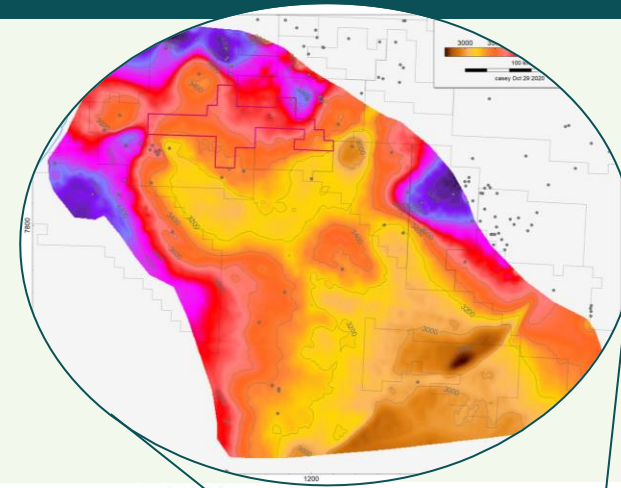
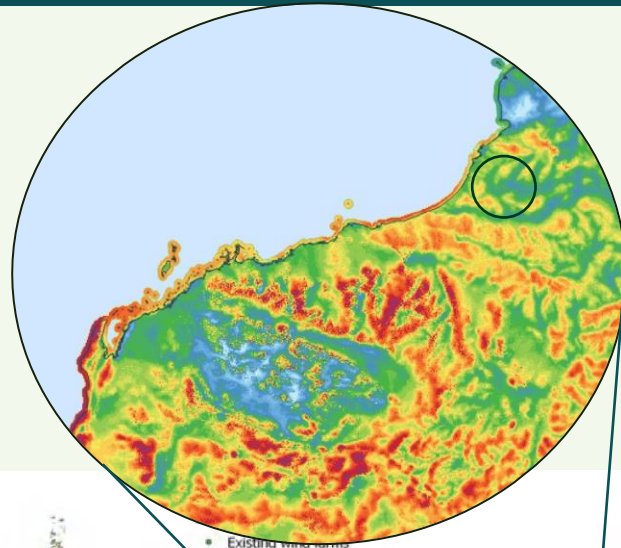


# Project Agreement Area



30,000 km<sup>2</sup>

# World Class Renewable Energy Resources



Solar

Wind

Geothermal

# Gingerah Energy Hub

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

**10,000 km<sup>2</sup>**

Site Characterisation  
Tenure

**1 mtpa**

Green Ammonia  
production

**3,600 km<sup>2</sup>**

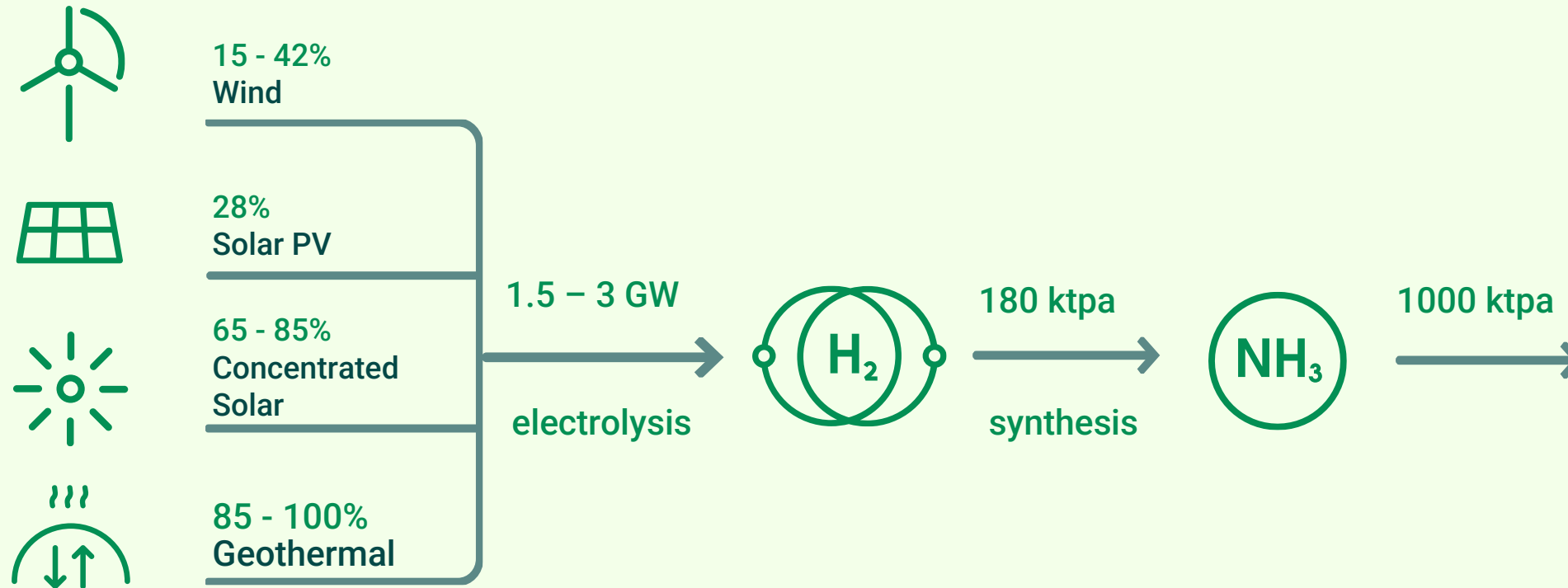
Geothermal Energy  
Exploration  
Permit

**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%

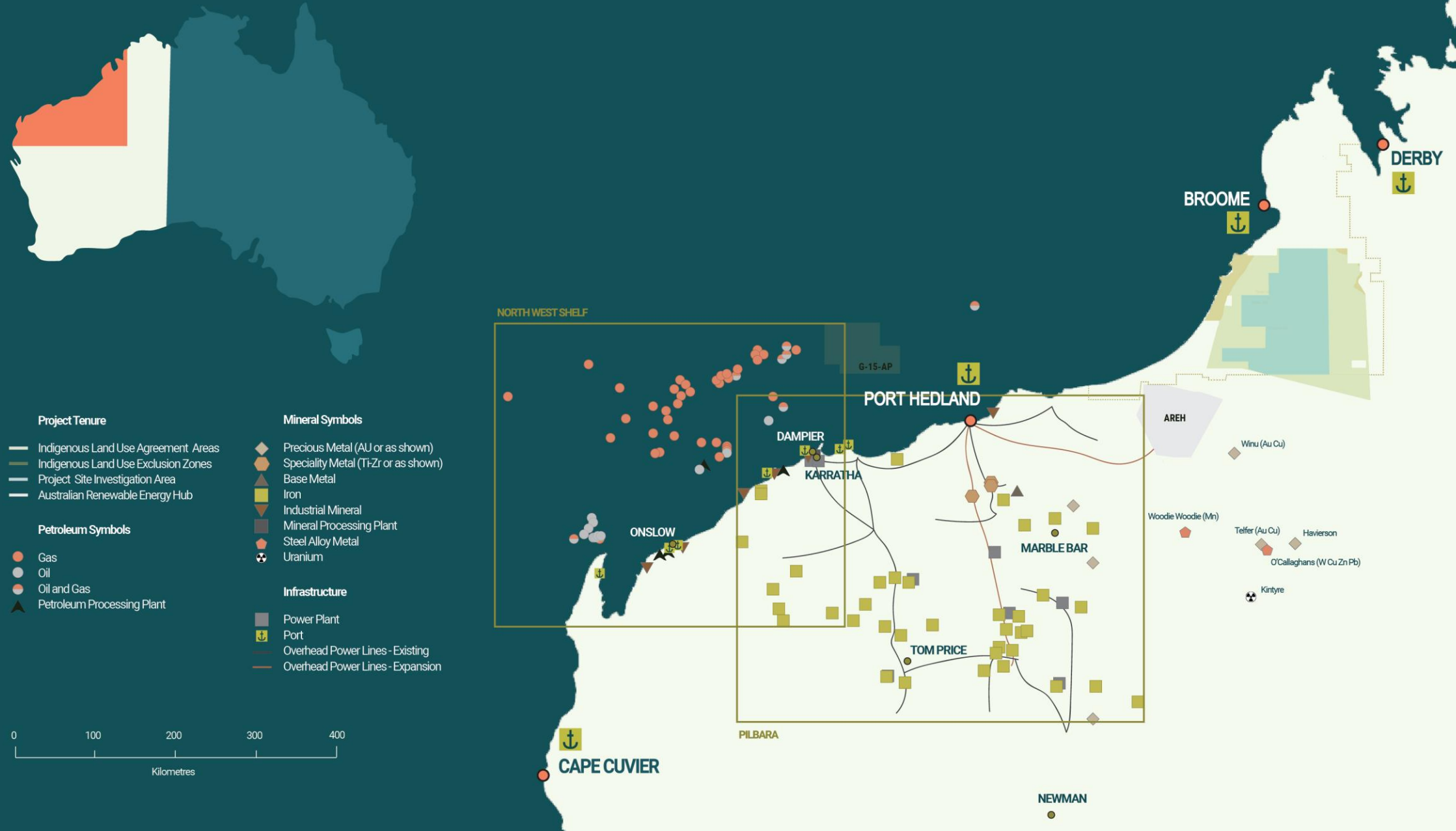
## Green Hydrogen Production

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

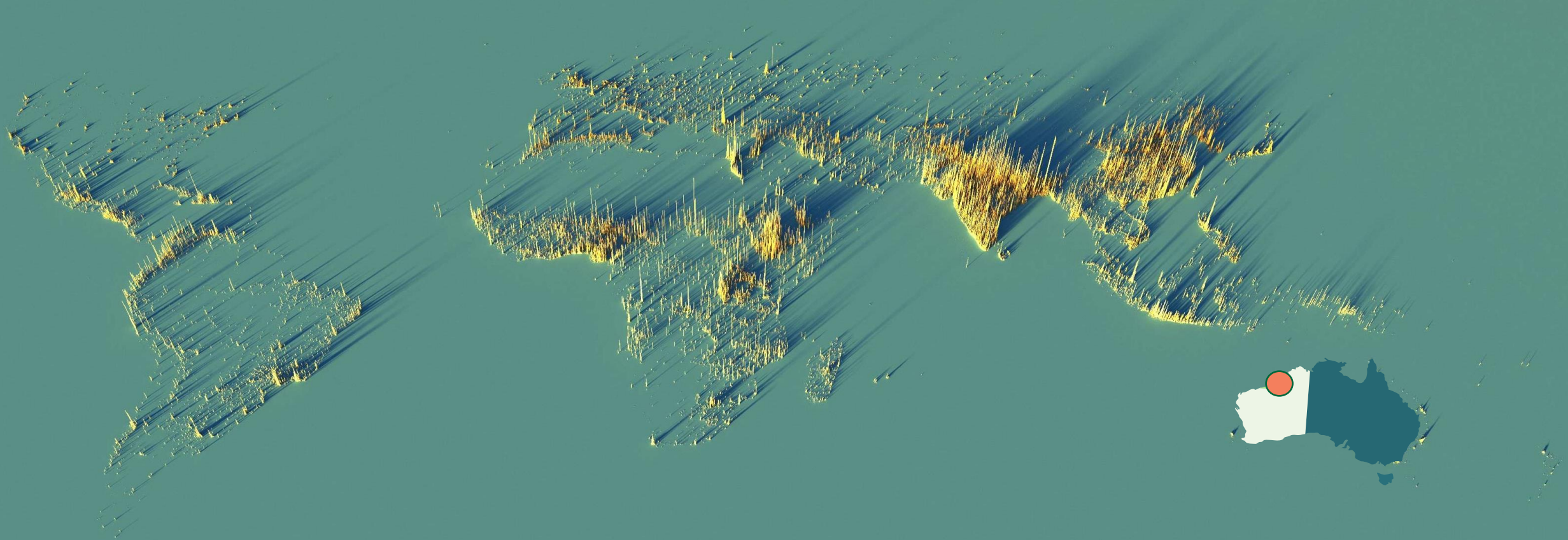
# Proximity to Port Hedland and the Pilbara





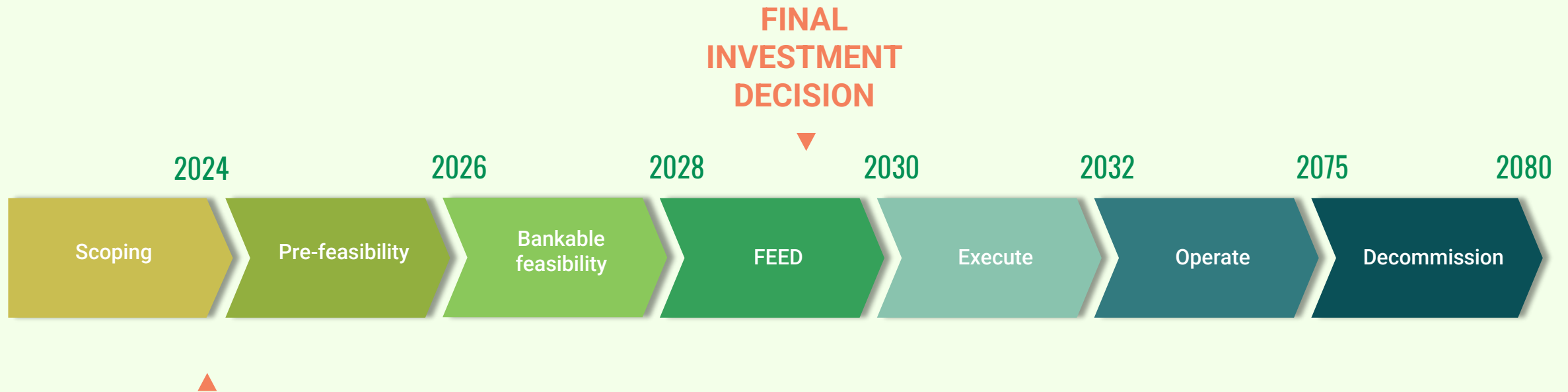
# Proximity to Fast Growing Markets

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.





**Gingerah  
energy**

**The Future is Now.**

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