Meeting the Growing Demand for Clean Energy for a Sustainable Future

3,600 km²
Geothermal Energy

10,000 km²
Site Characterisation Tenure

1 mtpa
Green Ammonia Production

3 GW
Renewable Energy Capacity

The Gingerah Energy Hub will comprise 3 Giga Watts of renewable energy capacity capable of producing 1 mtpa of green ammonia.

Gingerah Energy has secured geothermal energy exploration acreage, traditional owner agreements and other leases leveraging deep knowledge of regional geology and working in the north of Western Australia. An application for a large 10,000 km² area on vacant unallocated crown land is currently under assessment by the Western Australian Government.

Gingerah energy

The Future is Now.

Gingerah Energy Hub

onshore Canning Basin
Western Australia

The Future is Now.

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Net Zero Opportunity

GREEN HYDROGEN & AMMONIA

Gingerah energy

The Gingerah Energy Hub will produce affordable clean energy, providing energy security and a sustainable economy in the northwest of Australia.

The project harnesses the abundant renewable energy resources of the Gingerah area to produce green hydrogen and ammonia for domestic and international markets.

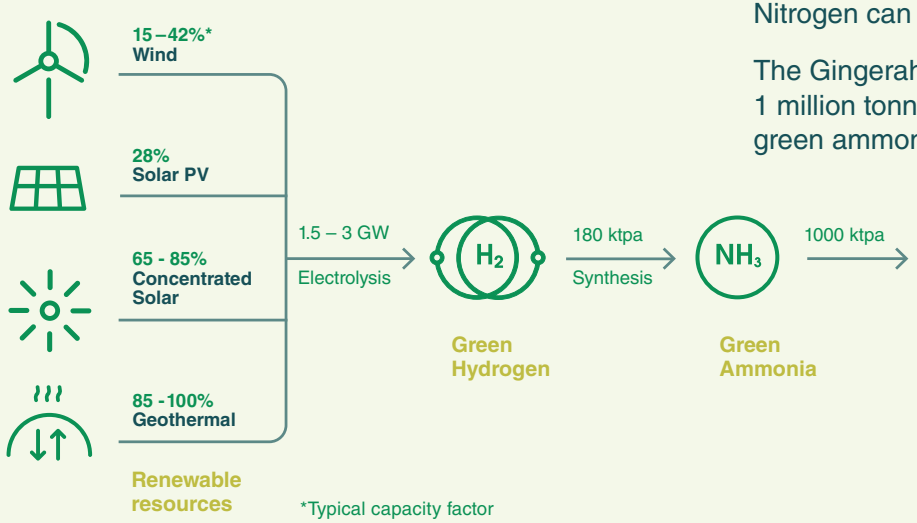
Growing demand for Green Ammonia

Opportunity for global hydrogen trade can reduce the cost of the energy transition by

$6 trillion

The Process

Harnessing the abundant renewable energy resources of the Gingerah region to produce Green Hydrogen & Green Ammonia.



*Typical capacity factor

Utilising electricity produced with renewable energy resources, the Gingerah Energy Hub usess electrolysis which splits hydrogen and oxygen molecules from sustainably sourced water.

The hydrogen gas captured is referred to as green hydrogen and can be converted into ammonia through synthesis with nitrogen through the Haber-Bosch process. Nitrogen can be captured from air.

The Gingerah Energy Hub will produce 1 million tonnes per annum (mtpa) of green ammonia.

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