



GREEN GOLD
ENERGY



COMPANY PROFILE

PROVIDING
TURNKEY SOLUTIONS
FOR SOLAR+ PROJECTS

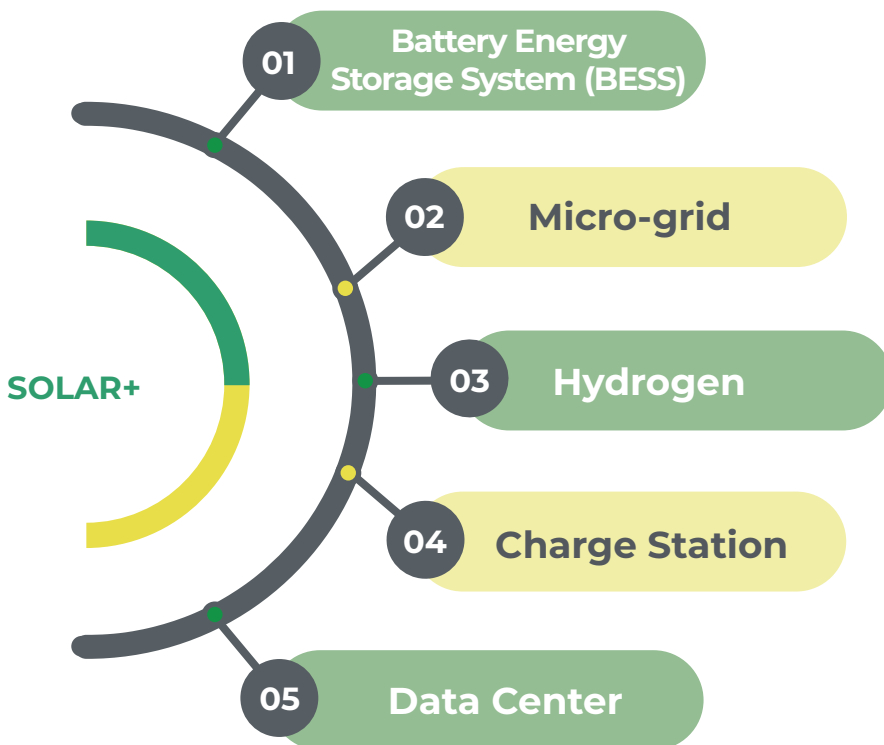
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ABOUT US

Green Gold Energy provides turnkey solutions for Solar+ Projects. We specialise in the development, engineering, construction, operation and general contracting of sustainable energy projects nationwide.

Since our formation in 2017, Green Gold Energy has built strong relationships with local governments and network providers. Throughout this time, we've emerged as leaders in the field of renewable energy, spearheading sustainable solutions across a variety of industries in South Australia, Victoria, New South Wales, and Queensland.



The **SOLAR+** projects are designed for renewable energy that combine solar power generation with **BESS, Micro-grid, Hydrogen, EV Charge Station and Data Center.**



VALUES

To achieve exceptional quality and innovation, through continuous improvement, utilising advanced technologies, and maintaining strong industry partnerships.



VISION

To be a leader in the renewable energy sector, driving innovation and spearheading sustainable solutions worldwide.



MISSION

To provide high-quality solutions that accelerate global decarbonization, leading the world towards a greener and sustainable future.

MILESTONES

2017

Green Gold Energy established

- First 1MW solar farm commissioned
- 5MW project development started

2018

EPC team recruited

- 10 projects developed
- Commencement of 2* 5 MW solar farm EPC projects simultaneously
- 25 projects sites secured in SA



2019

Melbourne office established

- 10 projects commissioned
- Began micro-grid development, designing and investment
- 250MW utility-scale project started
- 400MW solar projects developed to date



2020

Business started in VIC / NSW

- 50 projects sites secured in VIC, NSW and SA
- 700MW solar project and 200MWh BESS developed to date



2021

Team for commercial rooftop project was set up

- 30 total accumulated projects successfully developed
- 900MW solar projects and 500MWh BESS developed to date



2022

First BESS project commenced

- Hydrogen project engineered and currently under development
- BESS only projects under development
- First DC coupled BESS project started
- 1.1GW solar project and 1.2GWh BESS developed to date



2023

First DC coupled BESS commissioned

- 70+ projects in the pipeline to date
- 20+ projects commissioned to date
- 1.2GW solar project and 2GWh BESS developed to date



2024

Retail department established

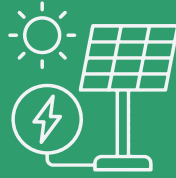
- Development approval obtained for the Morgan utility-scale solar project. 108MWac 135MWdc 56MW 92MWh BESS
- Expanded operations with a footprint established in New Zealand. Maungaturoto Solar Farm, 21MWdc.
- 1.5GW solar project and 2.5GWh BESS developed to date





70+

Solar+ Projects under development



20+

Projects commissioned



1.2 GW

Pipeline of Solar



2.5 GWh

Pipeline of BESS



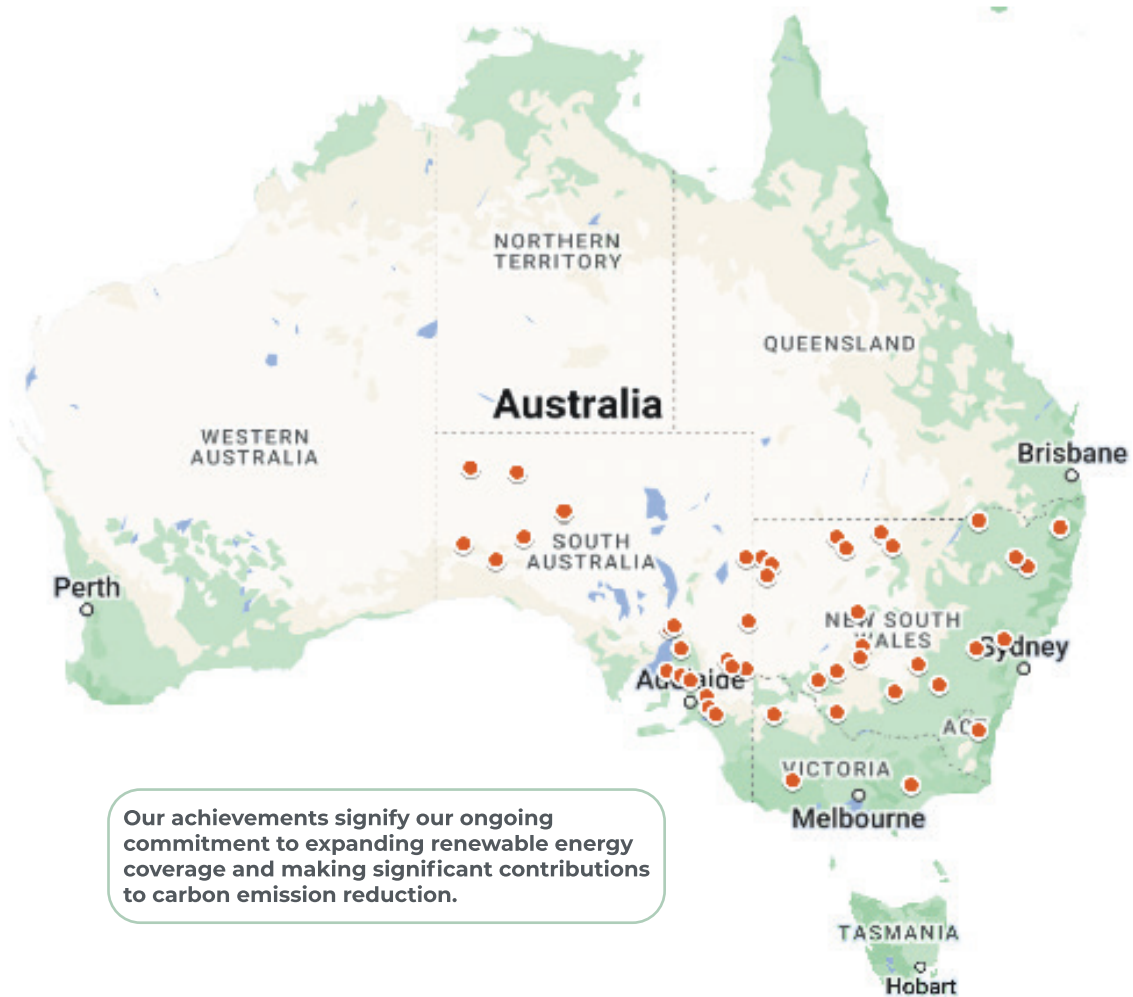
10 Million

Square Metres of Land Has Been Renovated



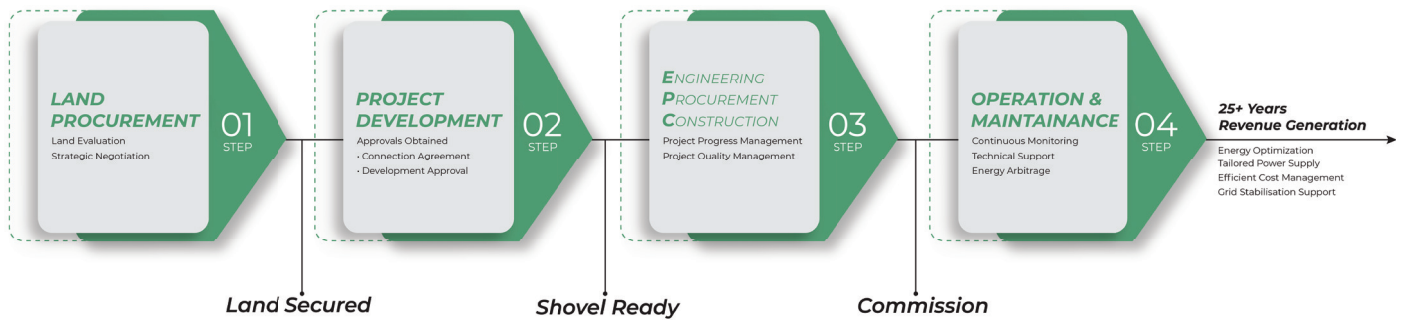
1.2 Million

Tonnes of Carbon Emission Has Been Saved



• OUR SERVICE / TURNKEY SOLUTIONS

We provide **TURNKEY SOLUTIONS** for Solar+ projects, including project development, EPC service, operation & maintenance.



• ISO CERTIFICATIONS

Green Gold Energy is ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 certified.





CAPABILITY STATEMENT

Green Gold Energy actively works to provide renewable energy solutions to a plethora of communities, from small business owners, to governments and large corporations. Up until now, more than 20 solar farms have been built across Australia and many are currently under construction.



Solar+ Projects Consulting



Solar+ Projects Development
(Utility & Sub 5MW)



Solar+ Projects Engineering,
Procurement & Construction (EPC)



Solar+ Projects Operation &
Maintenance (O&M)



CER ESCOSA Registration & LGC
Management



Assist in PPA & LGC Offtake

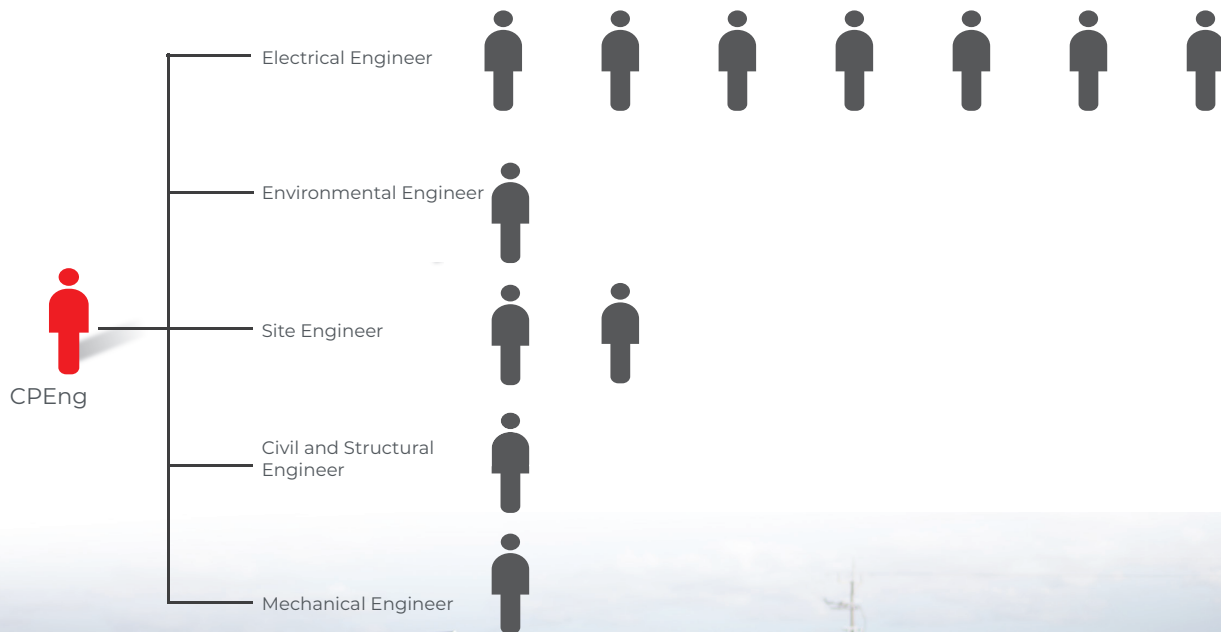
OUR EXPERIENCED TEAM

With a wealth of expertise and diverse backgrounds, our **IN-HOUSE** team brings together professionals from various backgrounds. We have assembled a talented group of individuals who share a common vision of advancing the transition to clean and renewable energy sources.

• IN-HOUSE ENGINEERING TEAM

Our engineering team stands as a beacon of excellence, comprising over 15 highly skilled engineers dedicated to driving the success of our solar projects.

With a wealth of expertise and a passion for innovation, our engineers play a pivotal role in orchestrating the seamless execution of Engineering, Procurement, Construction (EPC), and Operations & Maintenance (O&M) processes.



PROJECTS SHOWCASE



Elwomple Solar BESS, SA

Commission Date: August 19, 2023

The Elwomple solar farm is located behind the Shell V-Power Motorsport Park at The Bend in Tailem Bend, South Australia. Developed, constructed, and operated by Green Gold Energy, it features a 4.95MW solar farm powered by Sungrow hybrid inverter, along with a 4.6MWh Battery Energy Storage System (BESS).

Installed Capacity: 4.95MW + 4.6MWh BESS

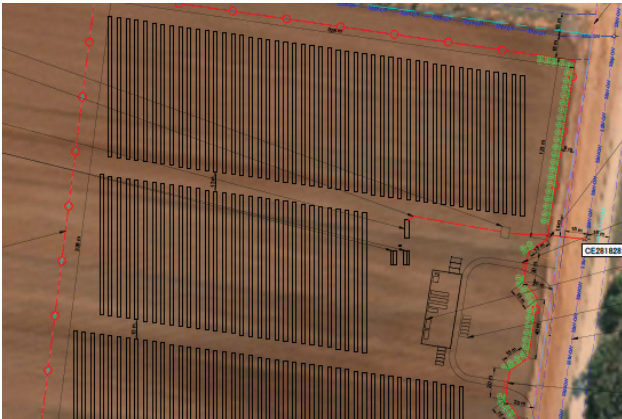


Mannum Solar BESS, SA

Commission Date: July 23, 2024

The Mannum project is situated within the Mid Murray Council. Developed, constructed, and operated by Green Gold Energy, it features a 4.95MW solar farm powered by Sungrow hybrid inverter, along with a 5.5MWh Battery Energy Storage System (BESS).

Installed Capacity: 4.95MW & 5.5MWh BESS



Coleambally 2 Solar BESS, NSW

Under construction

The Coleambally project is located within the Murrumbidgee Council in New South Wales. Featuring a Sungrow hybrid inverter and BESS system, the project achieved shovel-ready status in mid-2024 and is now under construction.

Installed Capacity: 4.91MW & 5.5MWh



Hay Solar Farm, NSW

Ready to build

The Hay project is situated within the Hay Shire Council which features a SMA inverter system. The solar farm achieved shovel-ready status in mid-2023 and was subsequently sold to an Australian energy retailer based in Sydney later that year.

Installed Capacity: 4.99MW

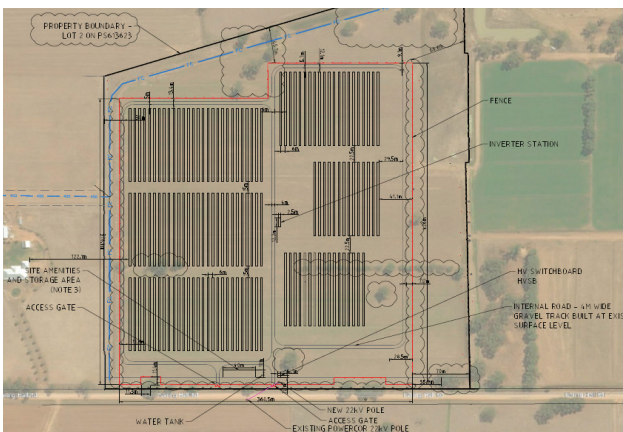


Moama Solar Farm, NSW

Ready to build

The Moama project is located within the Murray River Council in New South Wales which features a Sungrow inverter system. The solar farm reached shovel-ready status in mid to late 2023 and was later sold to an Australian energy retailer based in Sydney later that same year.

Installed Capacity: 4.80MW

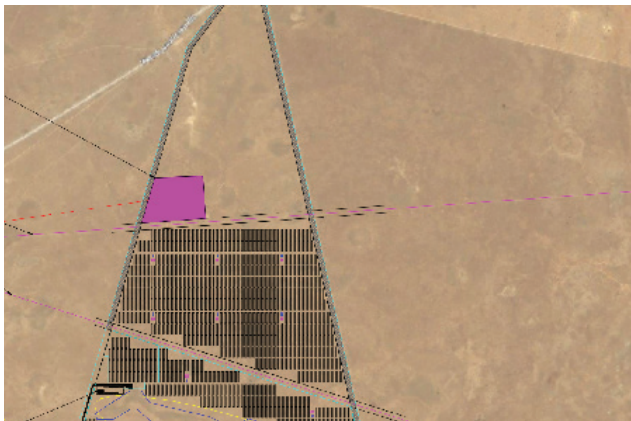


Numurkah, VIC

Ready to build

The Numurkah Council is situated in the Moira Shire Council in Victoria which features a SMA inverter system. The solar farm achieved shovel-ready status in late 2021 and was subsequently sold to an international investment banker.

Installed Capacity: 4.95MW

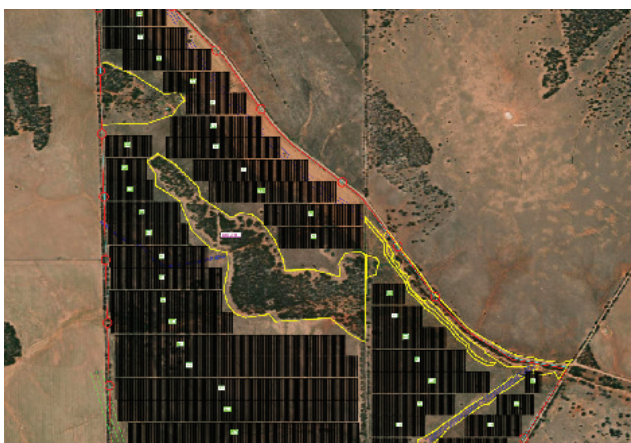


Morgan Solar Farm, utility-scale, SA

Under development

The Morgan project is located on a 600+ acre site and received its DA approval in mid-2024. Green Gold Energy is currently working on the connection aspects and expects to have the necessary studies completed by mid-2024.

Installed Capacity:
108MWac 135MWdc
56MW 92MWh BESS



Australia Plains Solar Project, utility-scale, SA

Under development

The APSP project is Green Gold Energy's largest project to date. Its BESS components were exempt from DA requirements under the South Australian government's exemption pathway for battery energy storage systems, established in late 2023. The Green Gold Energy development team is currently working through the remaining DA process and connection aspects.

Installed Capacity:
200MWac 200MWdc
200MW 400MWh BESS

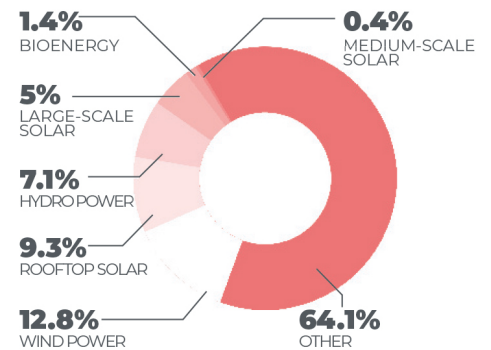
CARBON NEUTRAL

Australia has committed to achieve net zero emissions by 2050. Australia will reduce greenhouse gas emissions by 43% below 2005 levels by 2030.

- Australia plans to grow the renewable share of the National Electricity Market to 82 percent by 2030.
- Australia has the highest uptake of rooftop solar globally, with one in three homes having rooftop solar PV.

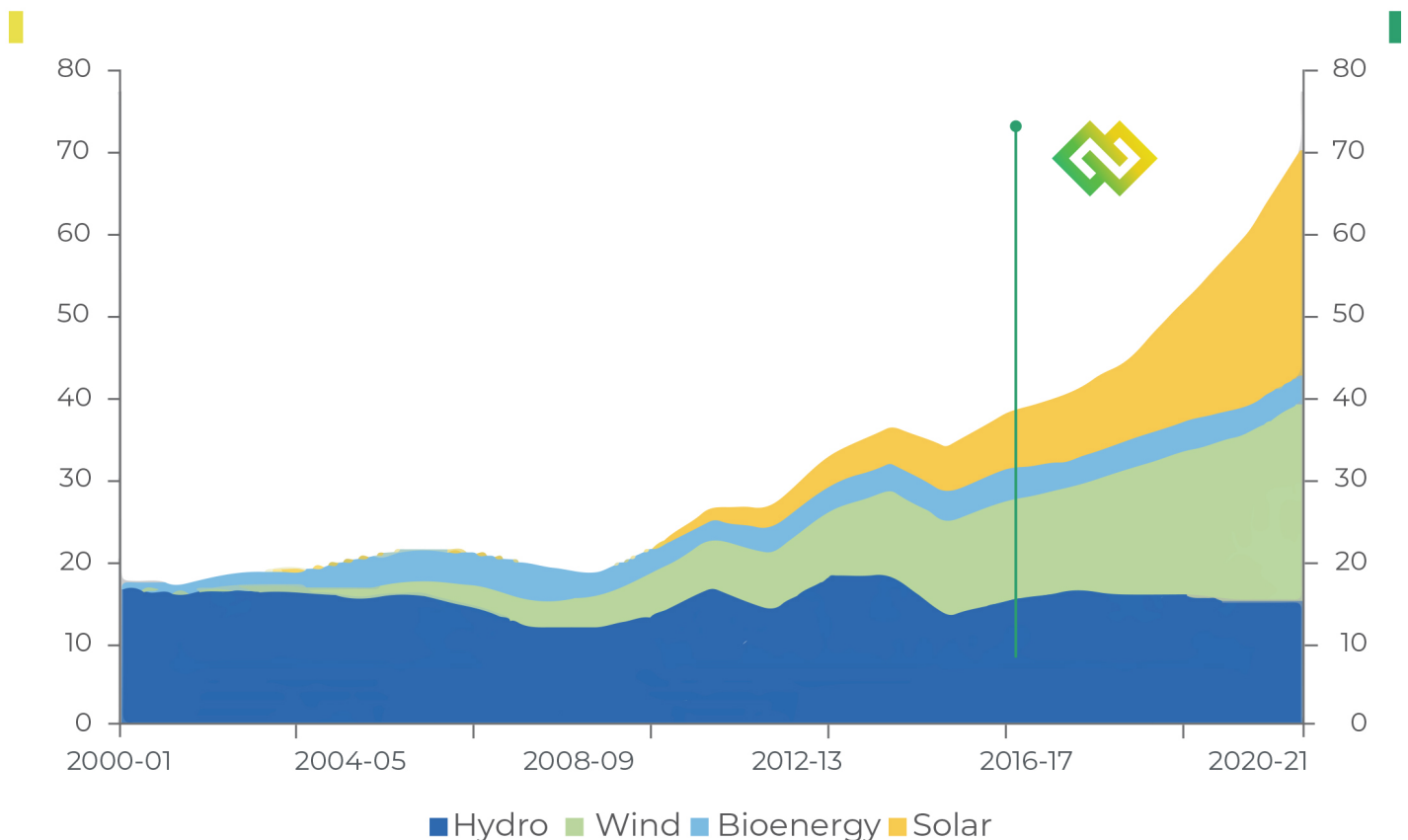
Australia's technology focus on renewable energy

Renewable energy provided 35.9% of Australian electricity generation in 2022, up from 32.5% in 2021



Source: State government websites

Historical electricity generation from renewable sources



Source: Department of Climate Change, Energy, the Environment and Water

The Significance of carbon neutrality for Earth

- Carbon neutral is significant for the Earth and the global community due to its potential to mitigate climate change and preserve the planet's long-term sustainability.
- Unlike fossil fuels such as coal, oil, and natural gas, solar energy does not produce harmful greenhouse gas emissions when converted into electricity, solar energy is a renewable energy source that harnesses the power of the sun to generate electricity.
- By using solar energy, we can reduce our dependence on fossil fuels and significantly lower carbon dioxide (CO₂) emissions, therefore moving closer to carbon neutrality.

The Implication of carbon neutrality for Green Gold Energy

- By neutralizing its carbon emissions, **Green Gold Energy** can contribute to reducing the concentration of greenhouse gases in the atmosphere.
- This aligns with global efforts to limit global warming and combat the adverse impacts of climate change.
- It showcases Green Gold Energy's dedication to minimizing its carbon footprint and taking responsibility for its greenhouse gas emissions.



Providing turnkey solutions for **Solar+** Projects

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