



Optimising renewable energy solutions

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Growth**

14 June 2023

Energy and Mines Australia





90 power & gas

facilities worldwide



>600

employees globally



Key	
	Remote energy
	Renewables
	Landfill gas
	LNG
	Waste coal mine gas
	RNG
	Office



~1 GW

installed capacity



~4.5 TWh

generated p.a.



~1989

began remote operations



~1999

entered WA market

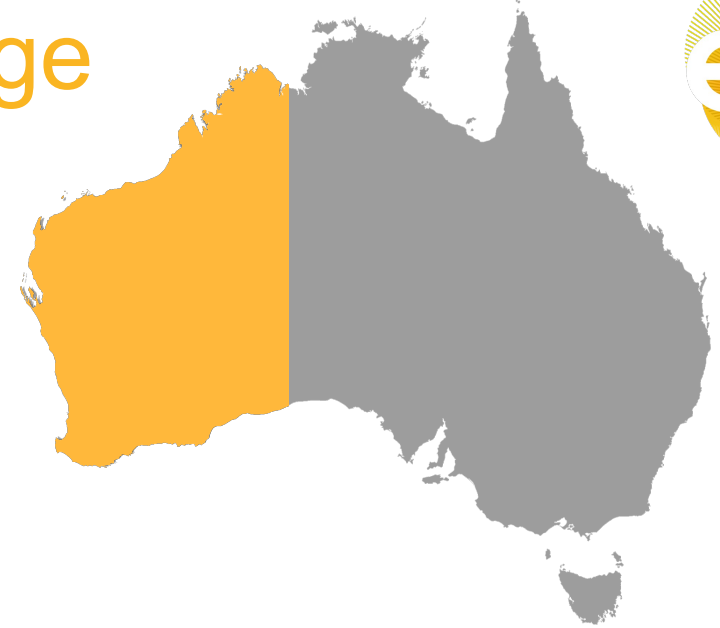


~4 million

tCO₂-e abated p.a.

Western Australia: the case for change

- Greenhouse gas emissions have **increased by 20% since 2005.***
- Currently WA has only **3%** of Australia's installed total **renewables capacity****



Total emissions



33%

**LNG, mining,
manufacturing**



27%

**electricity
generation**



16%

**transport
sector**



11%

**agriculture
sector**



5%

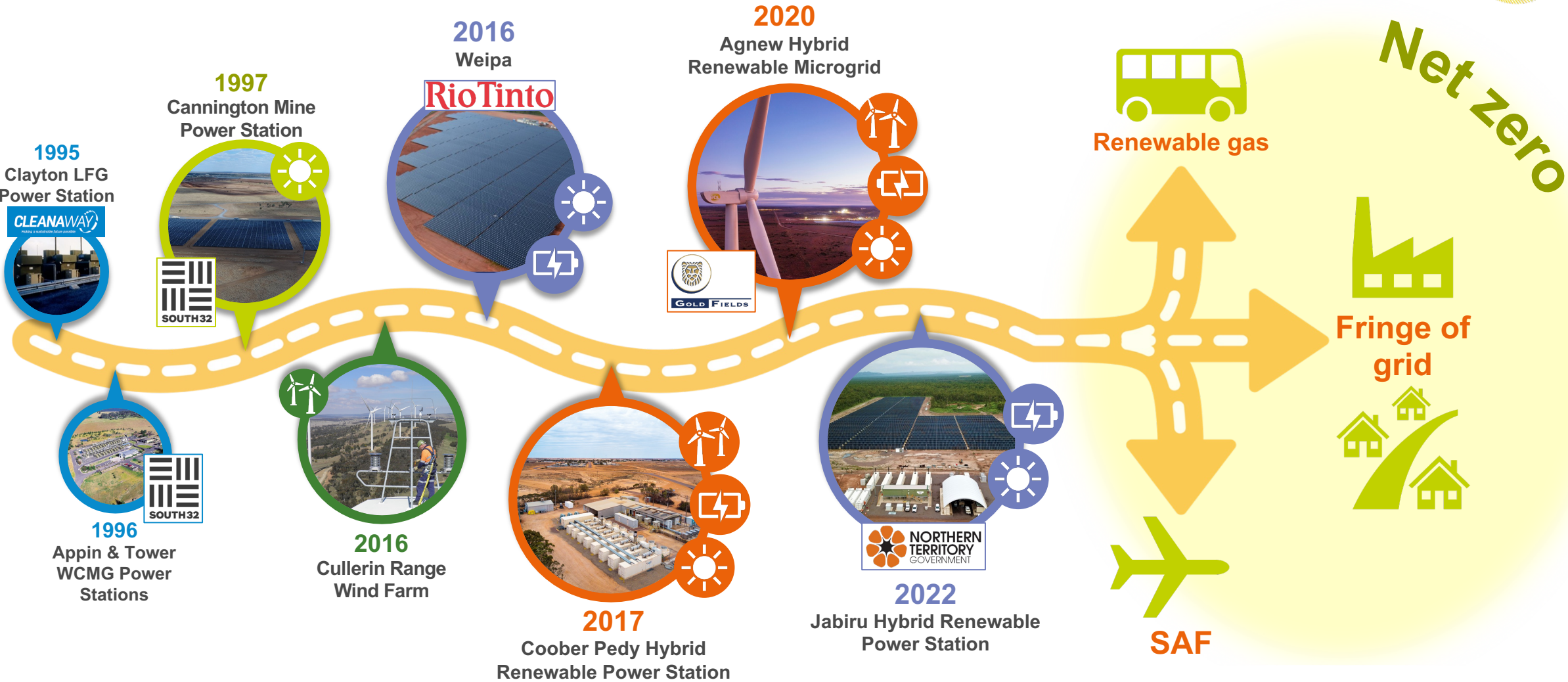
**industrial
processes**



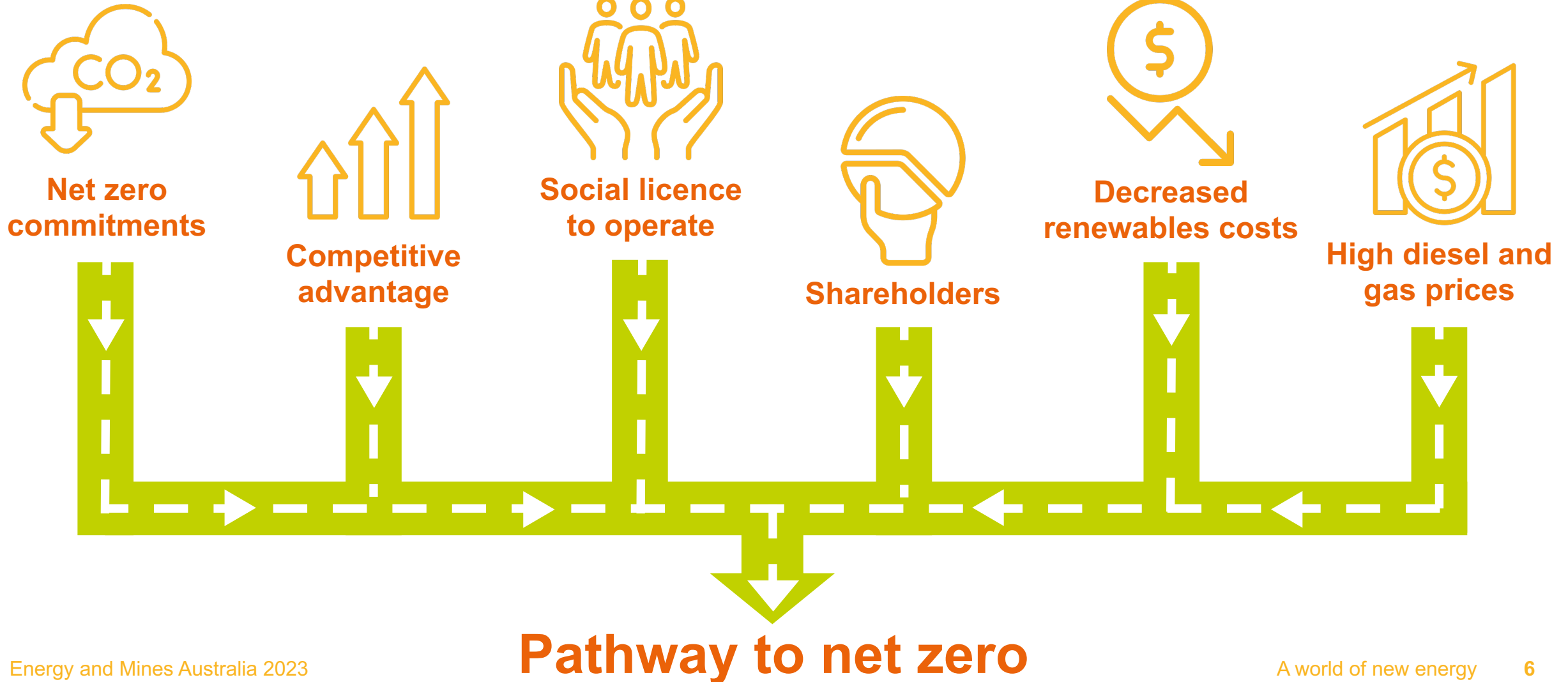
2%

waste sector

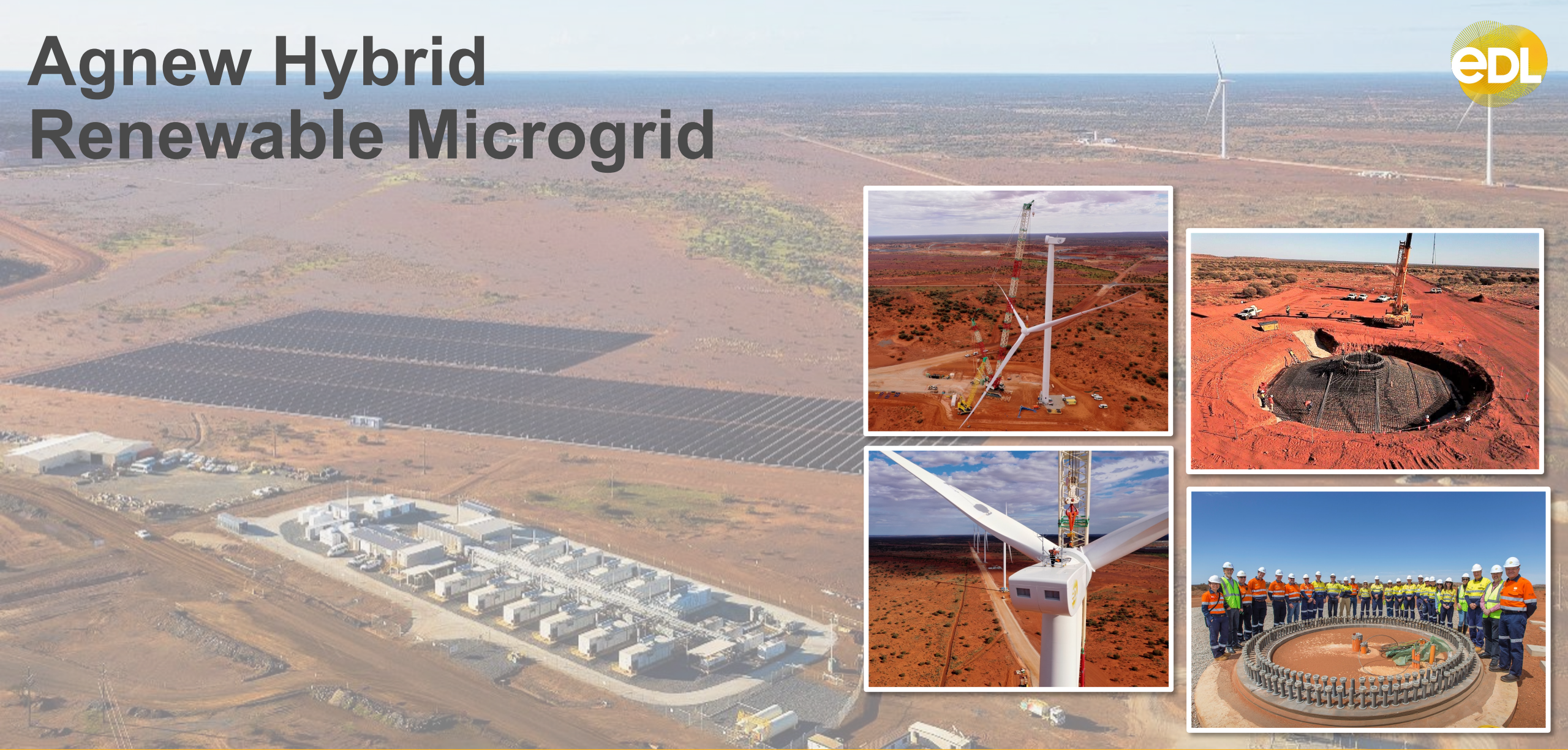
Supporting our customers' sustainable energy journey



Decarbonisation drivers



Agnew Hybrid Renewable Microgrid



50-60%
renewable energy



99.99%
reliability



4MW
solar



13MW/4MWh
battery & microgrid



18MW
wind generation



Thermal power
18MW gas & 3MW diesel





Jabiru Hybrid Renewable Power Station

...running on zero diesel during the day!

Since day 1 (January 2022)

“This is a big day for Jabiru... the town is no longer dependent on power generated at the closed mine.”

- Ruth Gamarrawu,
Gundjeihmi Aboriginal Corporation chairwoman



50%
renewable energy



Supports NT's renewable energy target

50% renewable energy by 2030



3.9MW
solar



3MW/5MWh
battery



Thermal power
4.5MW diesel

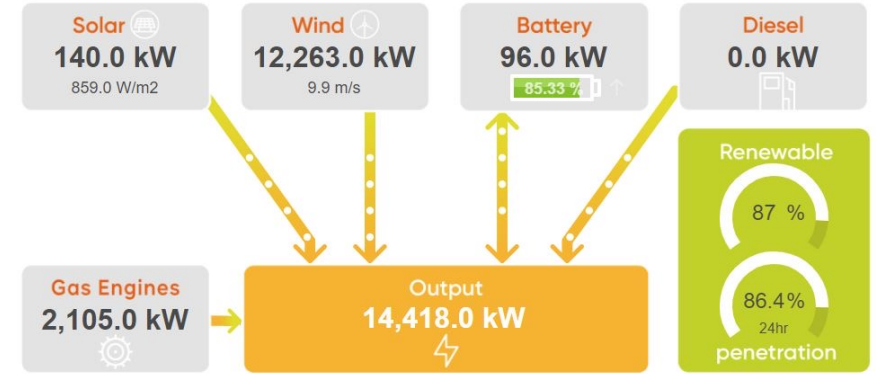
Real-time hybrid data used in EDL's model



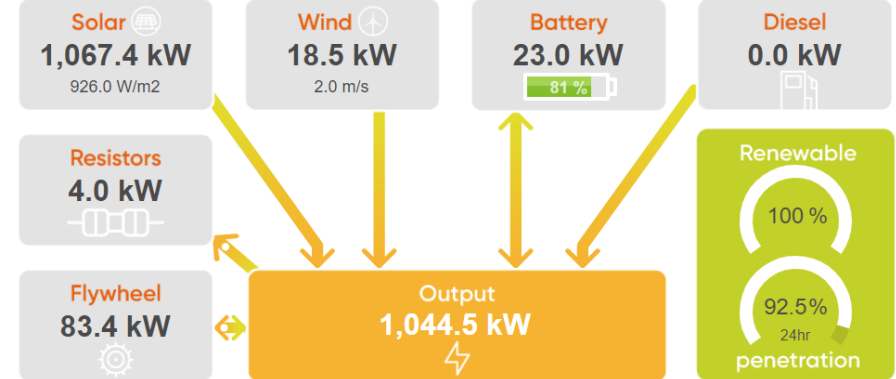
Our Global Control Centre oversees the reliability of our sites 24/7



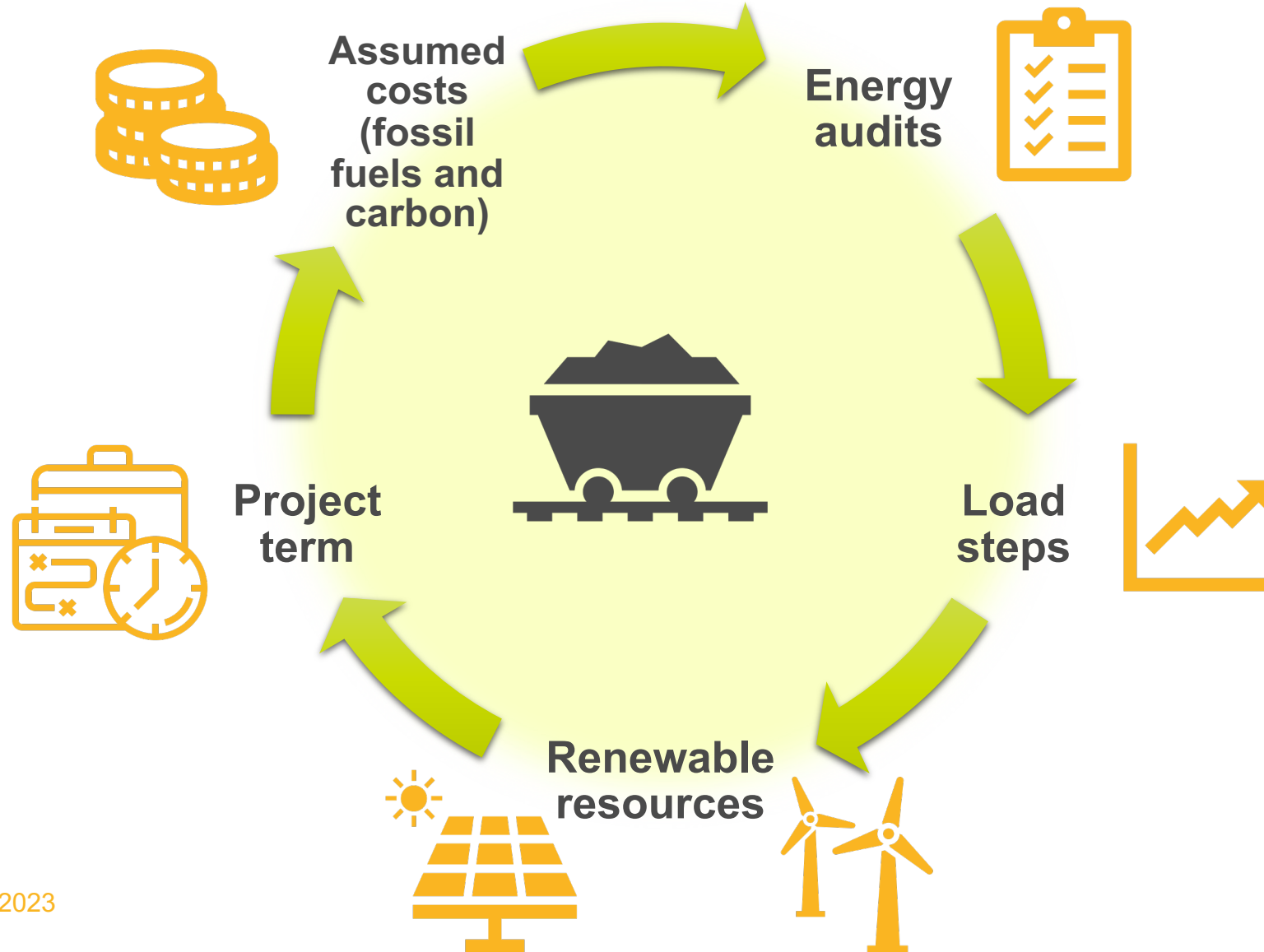
Agnew



Cooper Pedy



Net zero mining



The zero-carbon mine roadmap



Remote energy

High-penetration renewable energy, typically ~80-90%



Electrify mobile plant and processes, load shifting



Clean energy

Renewable fuels for hard-to-electrify areas



EDL's North American RNG assets



In operation, 2020



Indy High BTU
Indianapolis, IN

In operation, 2021



Wood Road
Lansing, MI

In operation, 2022



Tessman Road
San Antonio, TX

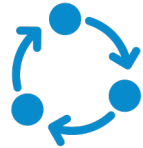
In commissioning, 2023



Limestone
Youngstown, OH



Feedstock
availability



Supportive
regulatory
framework



Market demand
for renewable
alternatives to
fossil fuels



Successful
investment

In commissioning, 2023



Lorain
Oberlin, OH

The pathway to zero emissions mining



Accomplished **75-90%** renewable commercial solutions **sooner than industry expected**

Heavily invested locally and abroad in providing **clean energy renewable fuels** to replace fossil fuels

We're **more than a hybrid renewable supplier**

Producing **renewable fuels locally** (i.e., RNG)

Getting closer to **Net Zero**





A world of
new energy

Thank you

edlenergy.com



Jason Dickfos
Head of Growth



Geoff Hobley
General Manager
Remote Energy



Paul White
Operations Manager
Remote Energy



Michael Buzzard
Senior Manager
Business Development



Angela Elliot
Business Development
Manager



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