

Welcome

Townsville Industry Breakfast

Thursday 15 August 2024



The Department of
State Development and Infrastructure



Queensland
Government

Acknowledgement of Country

AGENDA

» Speakers

- Paul Martyn – *Dept of Energy & Climate*
- Gerard Coggan – *Dept of State Development & Infrastructure*
- Maria James - *MITEZ*
- Stuart Parry – *Energy Storage Industries*
- John Cole – *Edify Energy*
- Edward Mason – *JetZero*

» Panellists

- Geoff Whebell, *Cleveland Bay Chemical Company*
- Paul Holden, *Dept of Resources*
- David Edwards, *Lansdown Eco-Industrial Precinct*
- Tom Dockray, *Powerlink*

» AusIndustry Update

- John Chandler, *AusIndustry*



Growth opportunities for Townsville

Townsville Industry Breakfast



Queensland
Government

Today

- The Plan
- Planning for Energy in North Queensland
- CopperString
- Pumped Hydro
- Hydrogen
- Sustainable Fuels
- Renewable Diesel

Why the Plan?



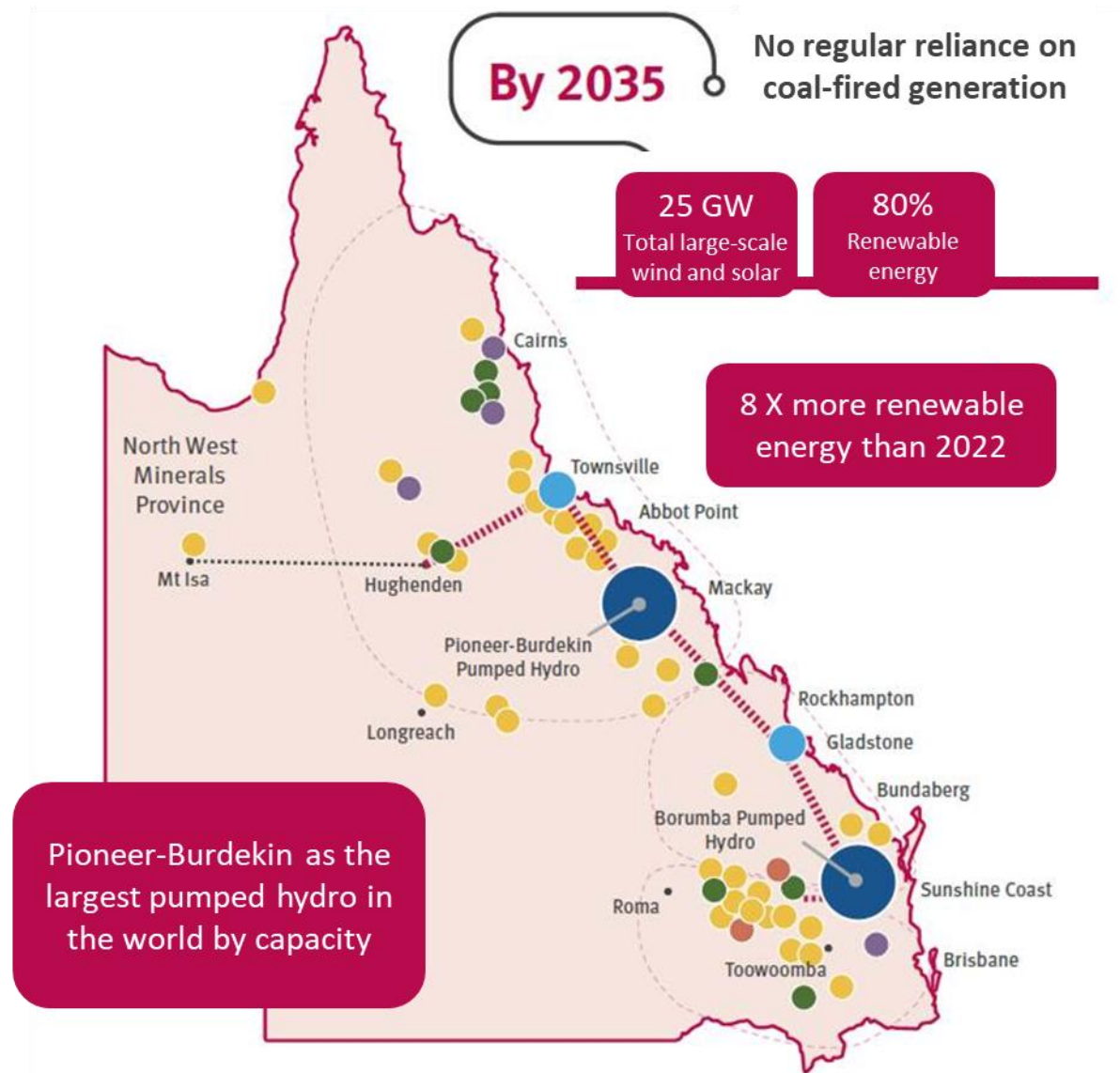
Credit: Glencore



Credit: First Quantum Minerals

Transmission: SuperGrid

- In 2015 almost no large-scale renewables
- More than 4GW wind and solar (27% renewables)
- More public and private renewable development
- Borumba Pumped Hydro by 2030
- New transmission connecting Southern and Central
- Pioneer-Burdekin by 2035 (stage 1 by 2032)
- New transmission to connect in Pioneer- Burdekin
- **25GW total new and existing wind and solar by 2035**










North and Far North QLD REZs



Up to 5,100 MW of expected new renewable generation installed in REZs

Creating up to 900 renewable energy construction jobs throughout development

	MW of expected installed generation	IN-FLIGHT	PHASE 1 EARLY-MID 2020s	PHASE 2 MID-LATE 2020s	PHASE 3 EARLY 2030s
Far North Queensland REZ	500-700	✓			
Collinsville REZ	1,600-2,000			✓	
Flinders REZ	2,000-2,400			✓	

-  Potential North and Far North Queensland Renewable Energy Zones
-  Existing transmission lines
-  Proposed Backbone Transmission
-  Isolated and remote power stations in focus for the Remote and First Nations Clean Energy Strategy (in development)
-  Queensland Microgrid Pilot Fund - Build projects
-  Queensland Microgrid Pilot Fund - Feasibility studies
-  Significant Pumped Hydro Energy Storage projects in development

Renewable Energy Pipeline for North Queensland

Currently there are 4 solar farms **operating** in the greater region:

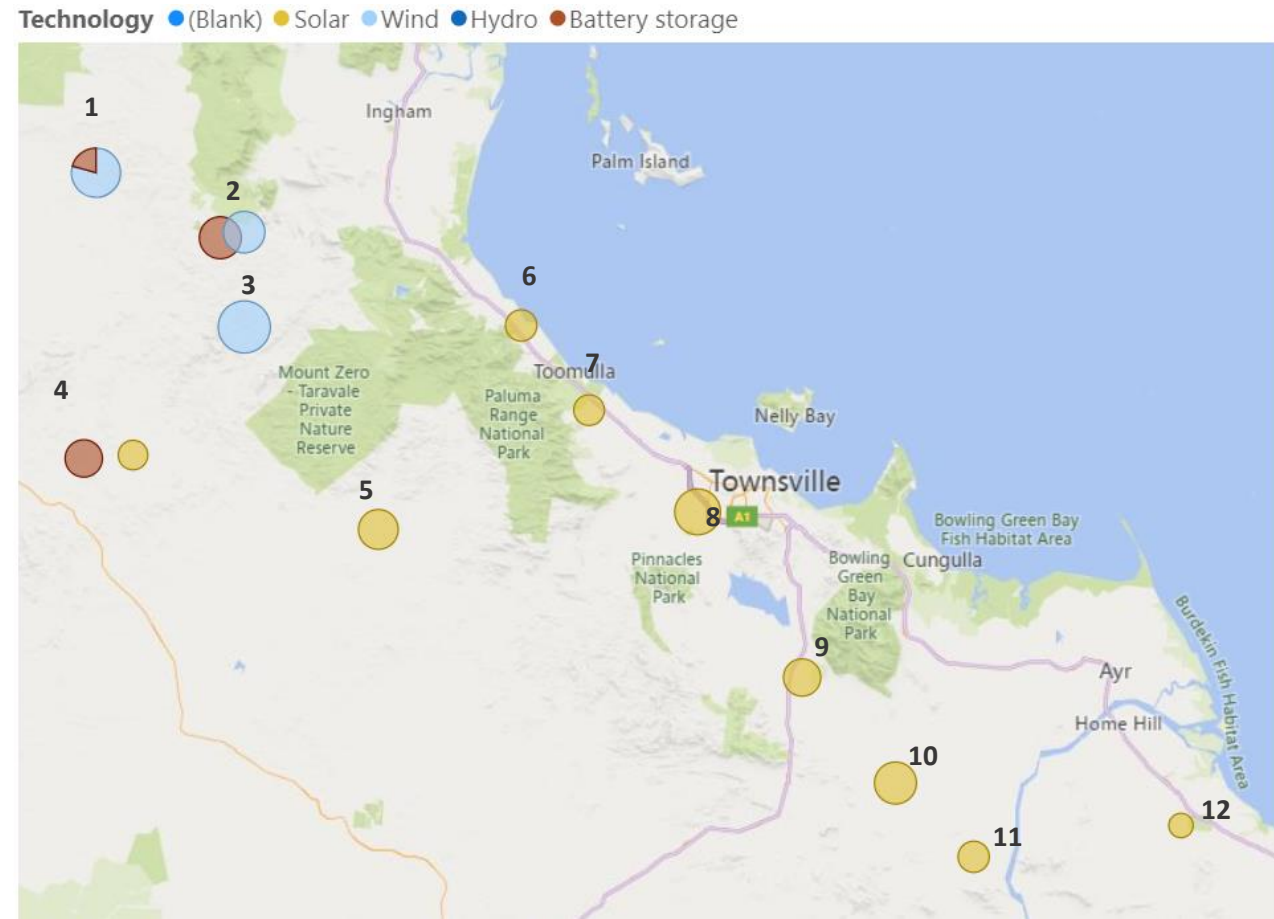
- Sun Metals Solar Farm (125 MW)
- Ross River Solar Farm (128 MW)
- Houghton Solar Farm (100 MW)
- Clare Solar Farm (110 MW)

Wilmar Sugar also owns six bioenergy generators operating across the region.

Range of **proposed projects** at varying pre-commitment stages:

1. Gawara Baya Wind Farm (400 MW wind, 100MW battery)
2. Mount Fox Energy Park (290 MW wind, 300 MW battery)
3. Karma Wind Farm (600 MW)
4. Yabulu Solar Farm (90 MW solar, 200 MW battery)
5. Freedom Energy One solar farm (250 MW)
6. Sunshine State Solar Farm (110 MW)
7. Bluewater Solar Farm (102 MW)
8. Springvale Renewable Project (400 MW solar)
9. Majors Creek Solar Project (200 MW)
10. Houghton Solar Farm stage 2 (300 MW)
11. Burdekin Solar Farm (108 MW)
12. Koberinga Solar Farm (55 MW)

Proposed renewable projects in North Queensland



REZ Development

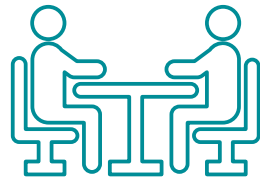
A Renewable Energy Zone or 'REZ' is an area suitable for wind and solar development that is strategically planned to connect multiple clean energy generators and deliver better local outcomes.



PHASE 1

Planning

Preliminary assessment to determine suitability of REZ locations



PHASE 2

Consultation and Declaration

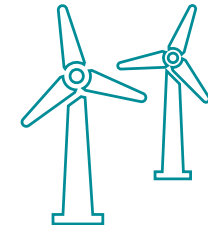
Consult with community and stakeholders before decision to declare a REZ is made by Minister for Energy and Queensland Treasurer.



PHASE 3

Construction and operation

Build the new infrastructure and implement mitigation and management measures for cumulative impacts.



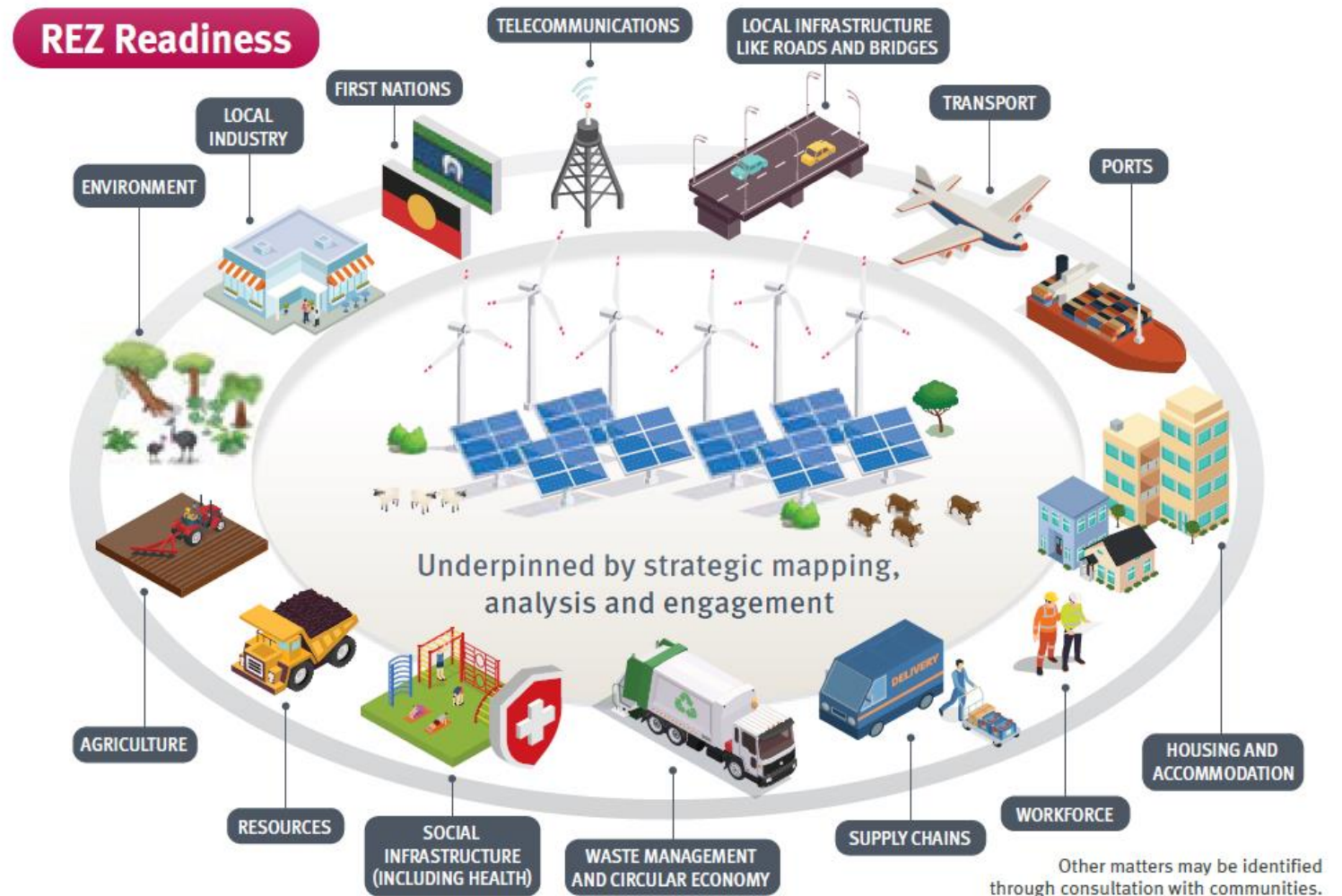
PHASE 4

Commissioned

Projects complete with the REZ generating energy into the grid.
Communities and stakeholders will provide input on end-of-life considerations.

Supporting industries and communities

REZ Readiness Assessments will help identify opportunities in regions as part of renewable energy development, as well as mitigations for cumulative impacts of development.



CopperString 2032

Economic Development Project

Single largest expansion ever to occur in the NEM

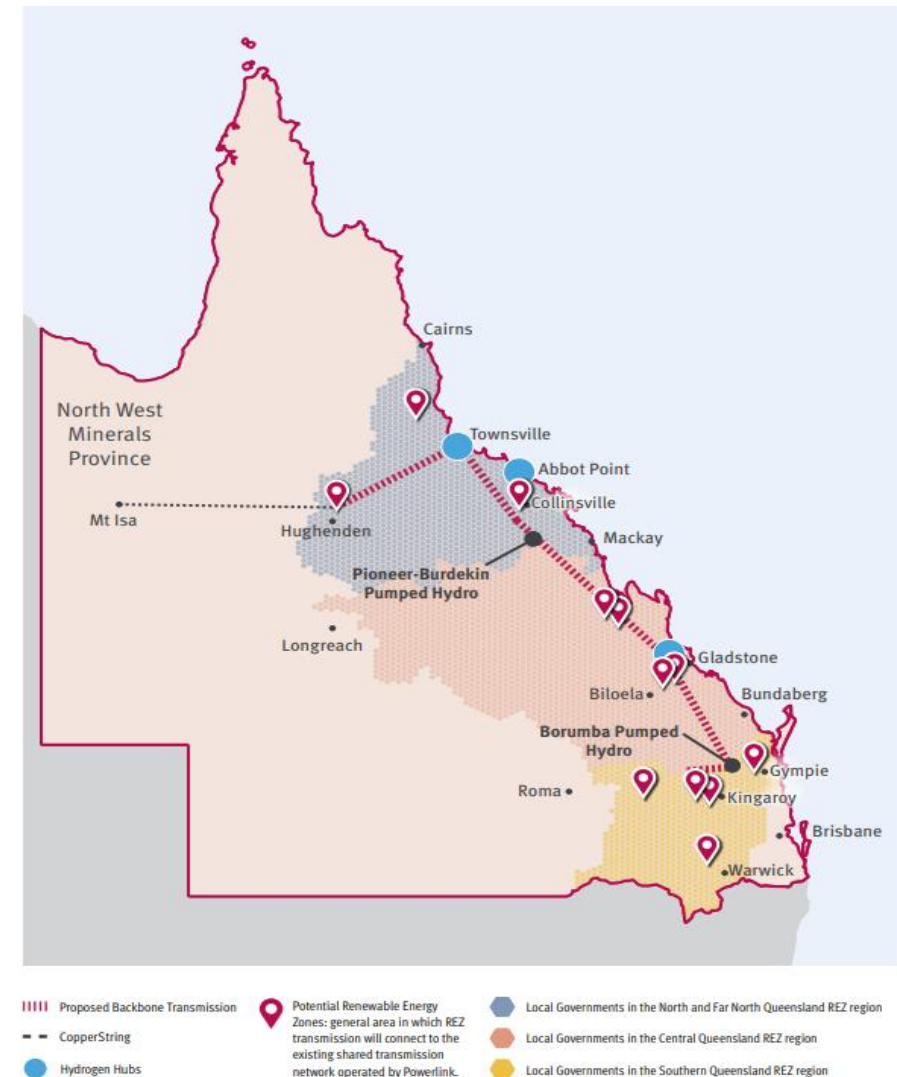
One of the most significant investments in economic infrastructure ever seen in North Queensland

Builds on the **Queensland's Energy and Jobs Plan (QEJP)** and forms part of **Queensland's SuperGrid**

Connects Qld's largest REZ to the NEM, with capacity at Eastern end increased with **500kV upgrade**

Unlocks more than **\$500 billion** critical minerals

NWMP - first time a new region has been connected into the NEM in almost 20 years (Basslink and Tasmania in 2006)



Delivery of infrastructure

How CopperString will be delivered

March 2023 Premier announced State takeover of CopperString from private proponents

October 2023 \$1.3 Billion Delivery Launch Package – enabled Powerlink to begin early works, procure long lead items

April – June 2024 Powerlink signs major contract for large equipment from Siemens, contract awarded for workers accommodation

9 July Powerlink breaks ground for construction of workers' accommodation facility (450 to 550 at peak construction), at Hughenden

2025 – 2029 Construction will be sequenced in line with EPBC approval over four stages



Local opportunities



Employment

Create around 2000 jobs over the life of the project, and open up more jobs in renewables and mining

New Townsville office with 40 energy and office staff, 20 dedicated to CopperString



Local Supply Chain

Local Economic Participation Plan details 58 initiatives to achieve economic and employment outcomes. Market testing included 50 work packages with 572 suppliers registering interest., mostly civil and construction works



Supplier Capability Development program

“Pathways to Opportunities” Program aimed at local and indigenous businesses seeking to upskill their abilities and supply to CopperString . Free-of-charge



Indigenous Participation Plan

Connecting Indigenous businesses to the project and opportunities

First Nations apprenticeships offered with six apprentices starting in Jan 2025



Transmission and Training Hub in Townsville

10-hectare hub site will train workers in the specialist high voltage skills required to build, operate and maintain CopperString.

Interim Hub opened Aug 2023 and construction on permanent Hub starts in 2025

Network Batteries

Energy Queensland continues to deploy 50 network-connected batteries across Queensland including in Townsville.



- Enhanced grid stability, support renewable energy integration, reduce costs and improve energy reliability.
- Over \$200 million invested in the program, including a trial (\$12 million) Stage 1 (\$40 million) and Stage 2 (\$150 million) with sites in Bohle Plain, Black River and Rassmussen.
- A boost to local manufacturers and suppliers in many communities throughout Queensland – Vecco is developing a vanadium mine and processing facility in Townsville, which will support EQL's trial of vanadium flow batteries.

Supplier capability development workshops – register online to participate

Date	Time	Event	Location
27 August 2024	8:30am for 9:00am-2:30pm	Mount Isa	Mount Isa Civic Centre 23 West Street, Mount Isa City
28 August 2024	8:30am for 9:00am-1:00pm	First Nations Cloncurry	Cloncurry Shire Hall 38-46 Daintree Street, Cloncurry
29 August 2024	8:30am for 9:00am-2:30pm	Cloncurry	Cloncurry Shire Hall 38-46 Daintree Street, Cloncurry
30 August 2024	8:30am for 9:00am-12:30pm	Julia Creek	Julia Creek Civic Centre 29 Burke St, Julia Creek

CopperString 2032 supplier register – Powerlink are seeking EOIs from local and Indigenous businesses to supply and undergo prequalification process

www.powerlink.com.au/projects/copperstring-2032



Energy Storage and Pumped Hydro



Borumba Pumped Hydro

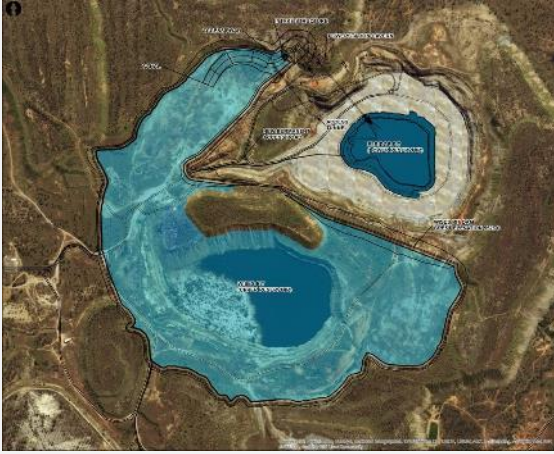
- 2 Gigawatts generation capacity with up to 24 hours storage (48 GWh)
- Capable of supplying a third of the State's electricity needs for 24 hours
- Estimated cost \$14.2 Billion – one of the largest infrastructure investments in Queensland
- Approx 3000 jobs at peak construction

Long duration pumped hydro

by Queensland Hydro

- Storage is vital to support intermittent renewable generation and ensure reliable electricity supply
- Estimated that Queensland will need 5-7 GW long duration (24 hour) storage to meet renewable energy targets
- Pumped hydro is a proven technology capable of providing required storage at lowest cost
- Scale and cost of large PHES requires State investment and ownership
- Queensland Hydro formed to investigate Borumba (2 GW/24 hours) and Pioneer-Burdekin (5 GW/24 hours)

Kidston Pumped Hydro



Kidston Pumped Hydro

- 250 MW generation capacity with 8 hours storage (2,000 MWh)
- Ramp to full output in 30 seconds
- Construction cost \$777 Million
- Expected to be operational 2025

Kidston Pumped Hydro

by Genex Power

- First new pumped hydro in Australia for 40 years
- Proof of the viability of pumped hydro storage
- Enables the development of new renewable wind and solar generation in the region
- Supported by \$147 Million funding from the Queensland Government for transmission infrastructure
- 900 jobs in construction:
 - 500 jobs in construction at site
 - 400 jobs on new transmission infrastructure



Ark Energy SunHQ H2 Hub

- ✓ 1 MW PEM electrolyser (Phase 1)
- ✓ Behind-the-meter connection to the 121MWac Sun Metals solar farm
- ✓ Produce up to 155 tonnes of renewable hydrogen each year
- ✓ Fuel a fleet of heavy hydrogen fuel cell electric trucks



Edify Green Hydrogen Project

- ✓ 17.6MW Electrolyser (Phase 1)
- ✓ To produce 150,000 tonnes per annum (at full scale)
- ✓ Awarded funding under German-Australian HyGATE Initiative, and was announced as the successful Townsville Regional Hydrogen Hub applicant by the Federal Government



Project Ulysses – Jet Zero

- \$600 Million
- Proposed for North Queensland's Townsville Development Area
- Subject to Final Investment Decision

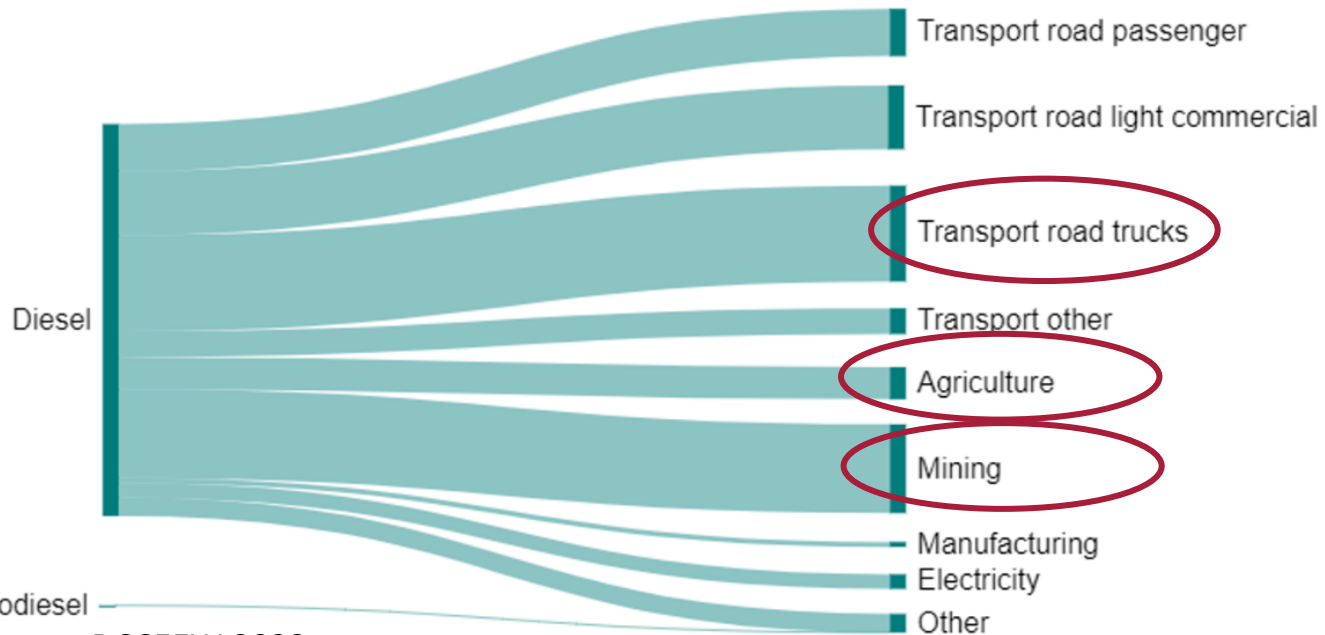
Project Ulysses

by Jet Zero Australia

- Australia's first ever Alcohol-to-Jet refinery in Townsville
- Using world-leading technology from LanzaJet, who earlier this year opened the world's first Alcohol-to-Jet refinery in the US state of Georgia
- The project will convert bioethanol from domestic agricultural by products into:
 - sustainable aviation fuel (SAF) and
 - renewable diesel, to provide a local supply for reef tourism, mining, and transport sectors in North Queensland.

Renewable Diesel

- \$32 billion a year importing mineral diesel
- significant industry and agriculture sector opportunity
- renewable diesel is a drop-in replacement
- up 90% less emissions
- low capital cost to decarbonise



Source: DCCEEW 2023





Thank you

Townsville Industry Breakfast

Gerard Coggan, Coordinator-General
Office of the Coordinator-General

'Make things possible for a better Queensland'



I recognise the significance of presenting on the land of one of the oldest continuous cultures in the world and I pay my respects to the traditional custodians and elders of this country.



Queensland
Government

State Development and
Infrastructure

INDUSTRY BREAKFAST



Maria James MITEZ CEO August 2024

MITEZ
ECONOMIC DEVELOPMENT

MOUNT ISA TO TOWNSVILLE ECONOMIC DEVELOPMENT ZONE

The Dynamic North West Minerals Province

Nothing else on earth
measures up



MITEZ
ECONOMIC DEVELOPMENT



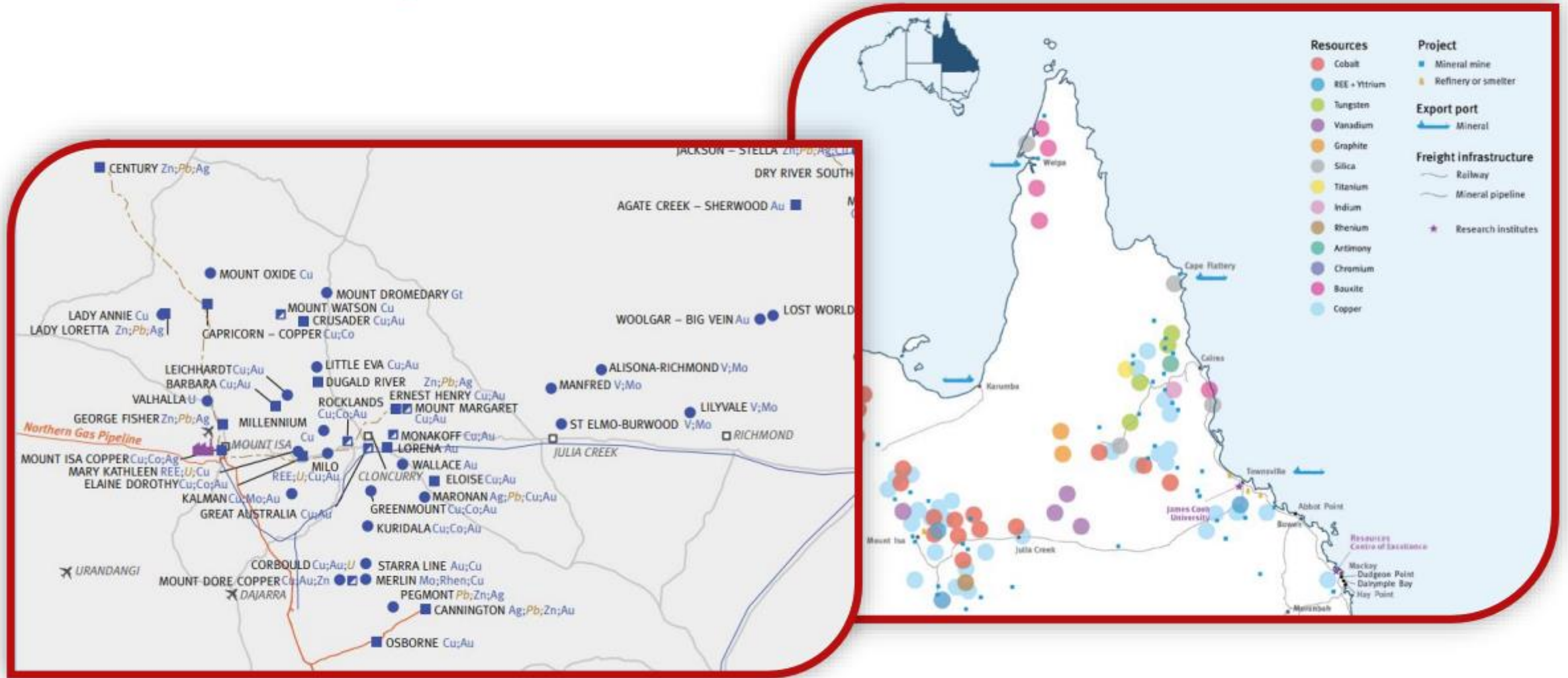
MOUNT ISA TO TOWNSVILLE ECONOMIC DEVELOPMENT ZONE





The NWMP is connected by Rail
and
Road
to
Port of Townsville
across
7 Local Government Authorities

Rich in Strategic and Critical Minerals



Together with additional value-add to the mineral value-chain via two major Townsville Refineries



MOUNT ISA TO TOWNSVILLE ECONOMIC DEVELOPMENT ZONE





GLENCORE



sunwater



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ECONOMIC DEVELOPMENT

MOUNT ISA TO TOWNSVILLE ECONOMIC DEVELOPMENT ZONE

Opportunities in the North West

- NWMP well positioned to meet critical/strategic minerals demand as the world transitions to renewables.
- MITEZ corridor well positioned geographically for renewables and can leverage from CopperString to unlock potential.
- Well established logistic supply chains from west to east.
- Townsville well positioned to value-add through processing/manufacturing.
- Renewable energy projects already in place.





Contributing to enormous economic benefits and prosperity across the entire logistic supply chain from Pit to Processing to Port



Glencore announces closure of Mount Isa Mines copper operation in 2025

18 Oct 2023



Future uncertain for Mount Isa after Glencore announces closure of copper operations in 2025

19 Oct 2023



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MOUNT ISA TO TOWNSVILLE ECONOMIC DEVELOPMENT ZONE

What goes in 2025:

- all copper mining operations at Mount Isa Mines
- Glencore's copper concentrator
- Glencore's Lady Loretta zinc mine
- 1,200 jobs

What stays:

- copper smelter until 2030, subject to approval of additional capital investment
- George Fisher zinc-lead-silver mine, the zinc-lead concentrator, and lead smelter
- copper refinery in Townsville



Mt Isa Support Packages

Government support package of \$50 million for mine workers/Mt Isa community

\$30 million to accelerate development of resource projects in the NWMP, allocated to:

- Eva Copper Mine Project (Harmony Gold) \$20.7m
- Paradise South Phosphate Mine (North West Phosphate) \$5.77m
- Vecco Critical Minerals Project (Vecco Group) \$2.33m

\$20 million for economic structural adjustment package for Mt Isa/North West led by DSDI:

- MIRFAC – advised on priorities
- Focus on job creation, strengthening economy and community
- 60 applications received Round 1 (closed May)
- announcements expected August.

Harmony Gold secures prescribed project status for Cloncurry's **Eva Copper Mine**

Chatham Phosphate announces Environmental Approval granted for **Korella North Mine**

Centrex announces new **Queensland Exploration permit** for phosphate

Co-ordinator General declares **Vecco Critical Minerals project** a co-ordinated project

True North Copper announces successful completion of its **Retail Entitlement Officer**

Queensland Government grants mining leases for **Paradise South Phosphate Mine**



Phosphate Rock

Ardmore Project



10-year project life
800,000 tonne/annum

Paradise South



20-year project life
2 million tonne/annum

Korella South



Pre-feasibility
2 - 5 million tonne/annum

Emerging Projects



Sybella REO Discovery

- REO-enriched granite
- Drill results, column leach trials and resource definition by 2025



Copper tenement

- Adjacent to MIM
- IPO August 2024
- Mineral Resource Estimate within 3 years



Anthill Project

- Lies within Lady Annie project
- 2022 start with 40,000t copper over 4 years
- Processed at Mt Kelly processing facilities



Mt Isa Gold/Copper Project

- Hardway - drilling commenced targeting copper
- Kalman East – new high priority targeting copper and molybdenum



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ECONOMIC DEVELOPMENT



MOUNT ISA TO TOWNSVILLE ECONOMIC DEVELOPMENT ZONE



Emerging Projects



Mt Cuthbert Resources & Copper Resources Aust

- 26 mining leases & 29 exploration permits
- one plant processes oxide copper ore, the other sulphide ores



Greater Duchess Copper Gold Project

- exploration around Mt Hope, Nil Desperandum and Lady Fanny
- broad high-grade copper mineralisation intersected at all three locations

Jericho Project

- transforms Eloise into corner-stone asset
- accessed by 3km underground development drive from Eloise



Cloncurry Copper Project

- mining restarted In July 2024
- Existing infrastructure
- Mining at Wallace North in 2025



MOUNT ISA TO TOWNSVILLE ECONOMIC DEVELOPMENT ZONE



Harmony Eva Copper

- 354 Mt mineral resource
- Conventional open pit with crush, grind and floatation circuit
- Conventional copper concentrator and offtake agreement with Glencore
- 800+ jobs in construction
- 450 jobs in operations
- FID 2025 followed by 2-3 years construction
- 15+ year mine life



Richmond/Julia Creek Critical Mineral Zone

Saint Elmo Project



Julia Creek Vanadium
& Oil Shale Project



Richmond – Julia Creek
Project



Debella Vanadium
& HPA Project



North Queensland Vanadium
Project



Lindfield Project



CopperString 2032



North West Queensland holds one of the world's greatest mineral endowments and is ideally positioned to take advantage of demand from the technology revolution and clean energy transition

The North West Minerals Province (NWMP) hosts known resources with in-ground value of over \$680 billion across commodities expected to experience strong global demand for coming decades. The size and quality of resources in the NWMP provides a strong case for long-term common-use infrastructure investments such as electricity networks to access competitive and flexible energy supplies which are forecast to deliver benefits and incentivise new industrial investment.

\$680 Billion

Known in-ground resources contained in North West Queensland

Please note the transmission line and locations of supporting infrastructure may change based on further investigations and during detailed design. Project progress is also dependent on government approvals.

Current at March 2024



MOUNT ISA TO TOWNSVILLE ECONOMIC DEVELOPMENT ZONE



Port of Townsville

- 2-year dredging program to widen channel now complete
- The Woomera removed 3.4 million cubic metres of material from the channel
- 2,572 barge loads to construct a new reclamation area as part of the Port's \$251 million Channel Upgrade project.



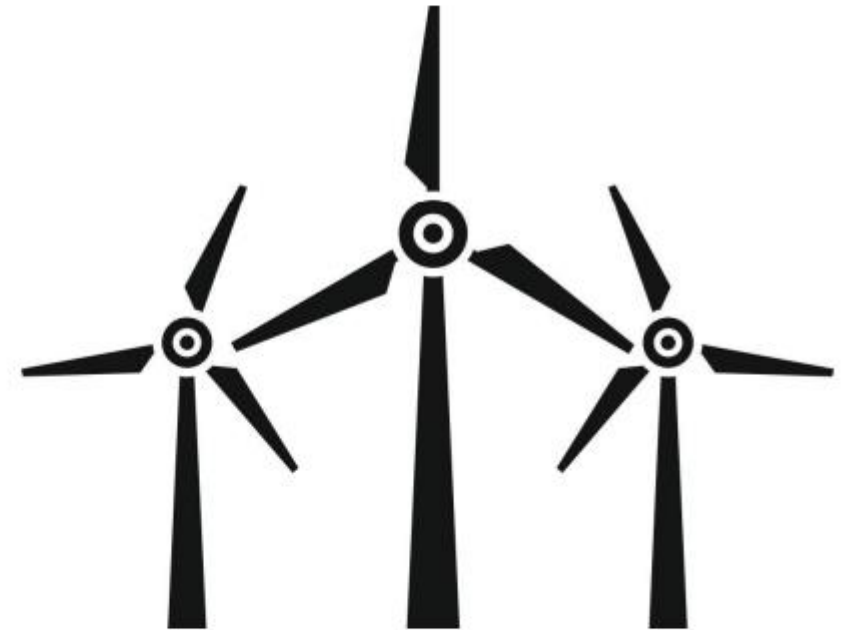
Existing Renewable
Projects



Further Renewable Projects

Validating the science and quality of the resource through KEP and establishing a body of industry knowledge has opened the region to further innovative projects:

- Windlab's North Queensland Super Hub
- Iberdrola's Mount James Project
- Windlab's Gawara Baya Project
- MMGs Knapdale Range Wind project
- APA's Mt Isa/Cloncurry Sybella Creek Solar Farm
- Enel's Julia Creek wind/solar/battery project



Thank You
Any questions?

ceo@mitez.com.au



MITEZ
ECONOMIC DEVELOPMENT



MOUNT ISA TO TOWNSVILLE ECONOMIC DEVELOPMENT ZONE





**ENERGY
STORAGE
INDUSTRIES
ASIA PACIFIC**

TOWNSVILLE UPDATE
BUILDING CAPABILITY THROUGH COLLABORATION

Who are ESIAP?

- ESIAP is a Queensland-based fully integrated renewable energy company focused on delivering products to support the energy transition.
- We deliver medium duration energy storage in the form of Iron Flow Batteries to provide electricity when the sun isn't shining or the wind isn't blowing
- Manufacture electrolyte & chemicals to support batteries and critical minerals processing
- By the end of 2026, ESIAP aims to deliver up to 400 megawatts (MW) of energy storage each year for the next 15 years.
- The total of six gigawatts (GW) of storage over that period equates to 20% of Australia's renewable energy needs

DECARBONISING QUEENSLAND: BUILDING CAPABILITY THROUGH COLLABORATION

AUGUST 2024



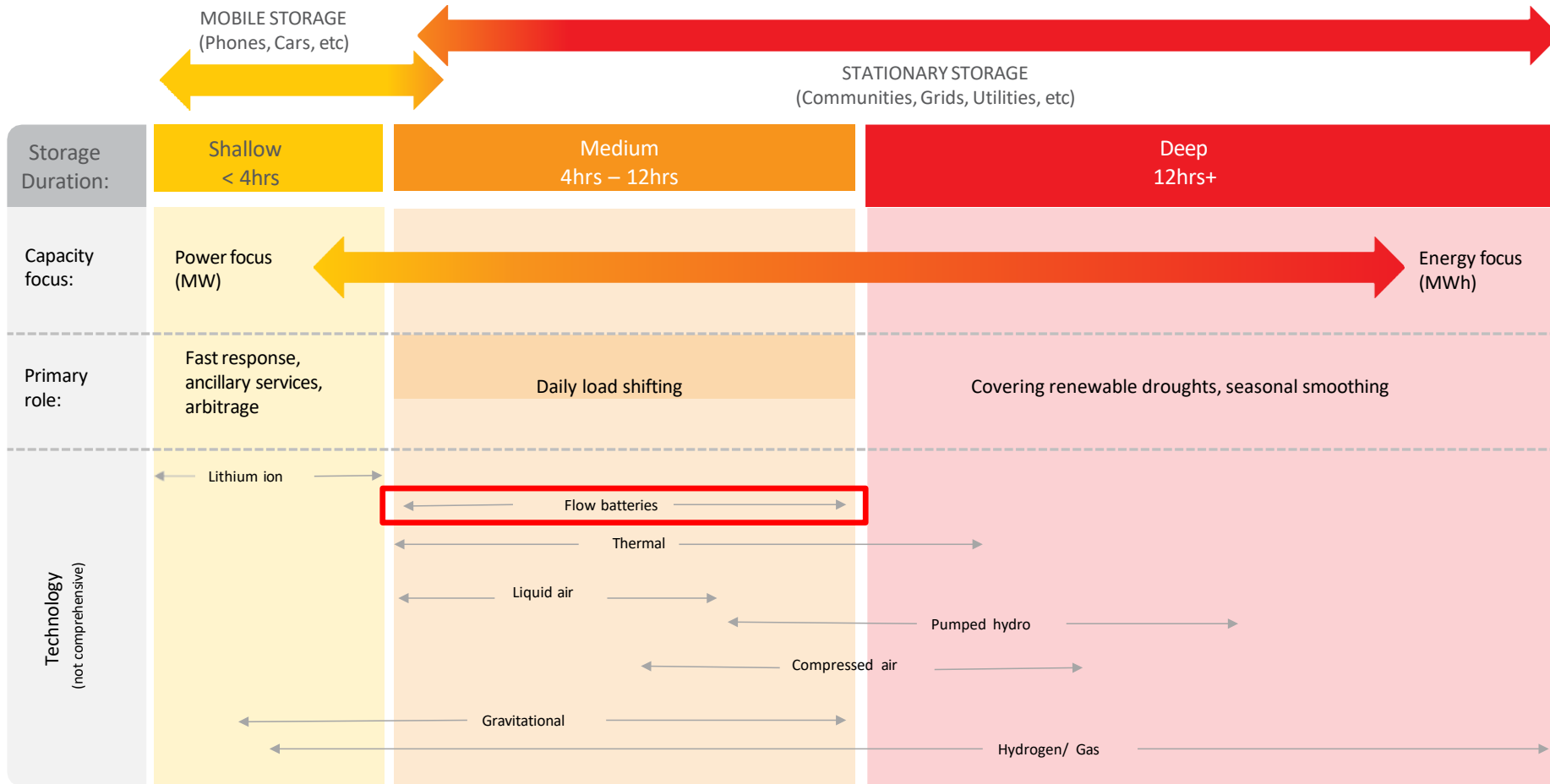
Key Takeaways - Iron Flow Battery Advantages

- Long Life - 25 years
- Medium duration Storage – 8 – 12 hours
- Earth Abundant - No Rare-Earths
- Environment Risk - No Toxic Chemicals or Heavy Metals
- Fire Safety - non-flammable, water-based electrolyte
- Operating Temperature – Chemistry not heat limited.
- Supply Chain Securing – Australian Sourced Iron
- Scalable – Modular Design



Demand

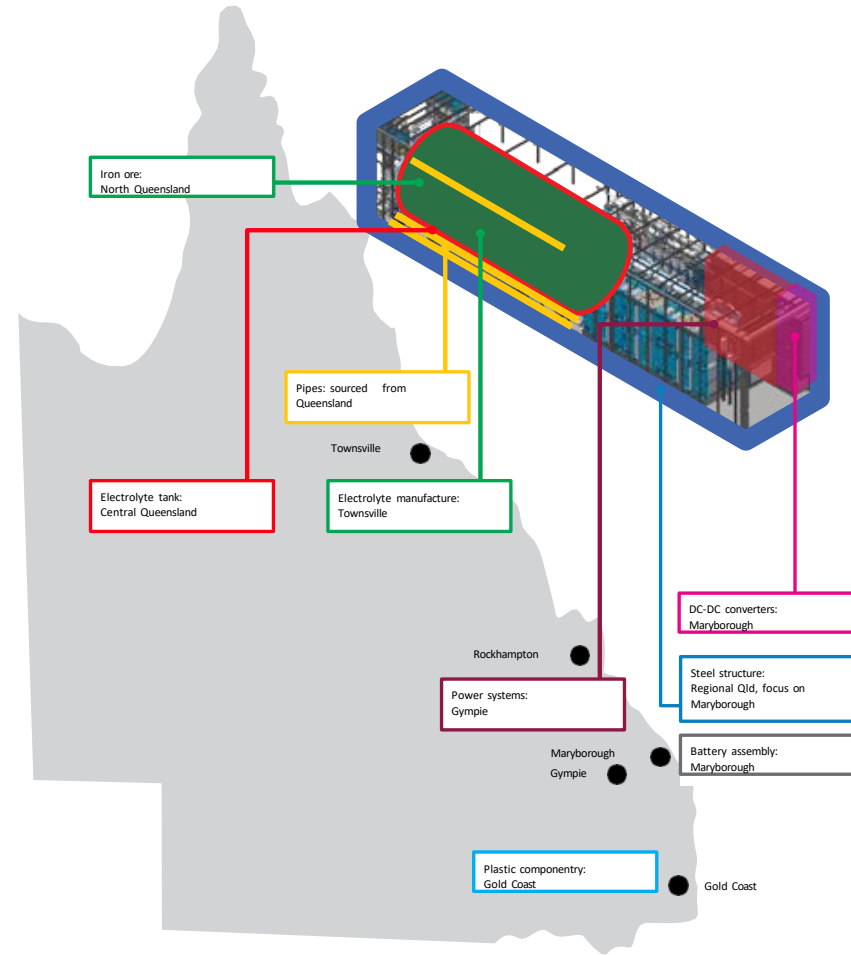
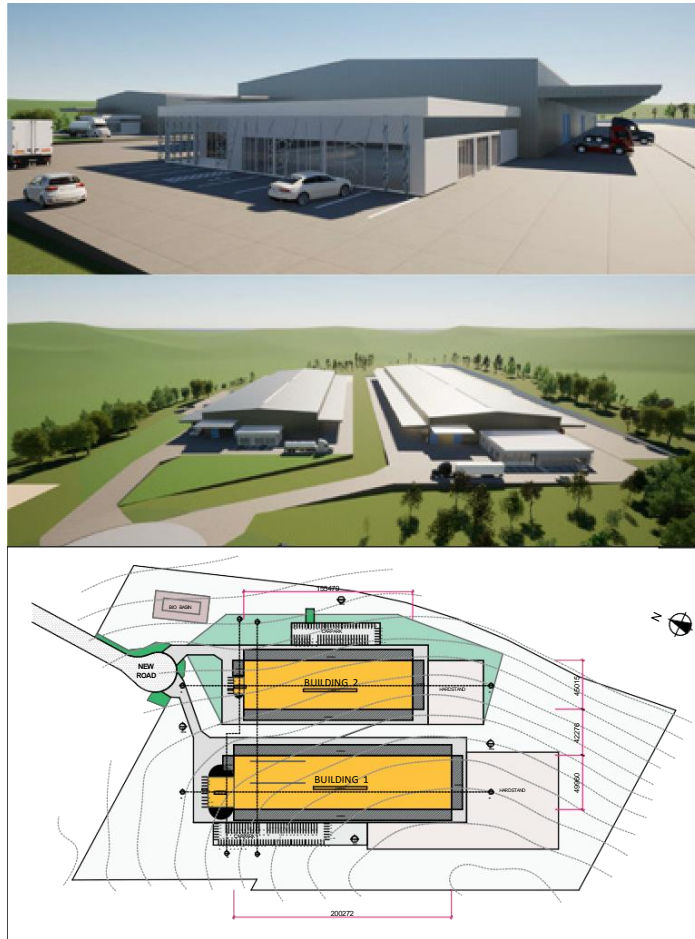
Flow batteries are a promising type of medium duration energy storage



Sources: AEMO; US Department of Energy; Long Duration Energy Storage Council / McKinsey & Co; UK Department of Business, Energy & Industrial Strategy; solution OEMs



Grid-scale battery jobs and investment in Queensland



ESI'S PARTNERS



THANK YOU





15 AUGUST 2024

EDIFY ENERGY RENEWABLE ENERGY GROWTH OPPORTUNITIES FOR THE REGION

North Queensland



About Edify

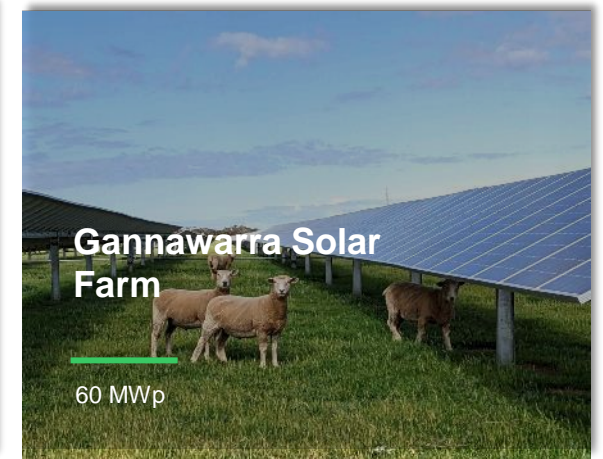


Long-term independent power producer perspective, thought leadership and innovation



About Edify

Solar farms in commercial operation. 771 MWp



About Edify

720 MWh BESS in commercial operation and construction



Gannawarra BESS

25 MW / 50 MWh
In operation



Riverina & Darlington Point BESS

150 MW / 300 MWh
In operation

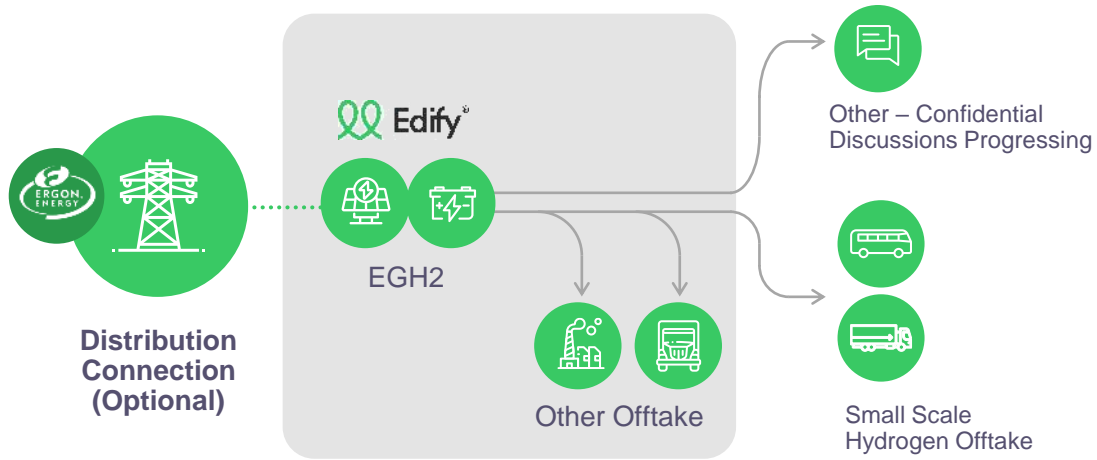


Koorangie BESS

185 MW / 370 MWh
In construction

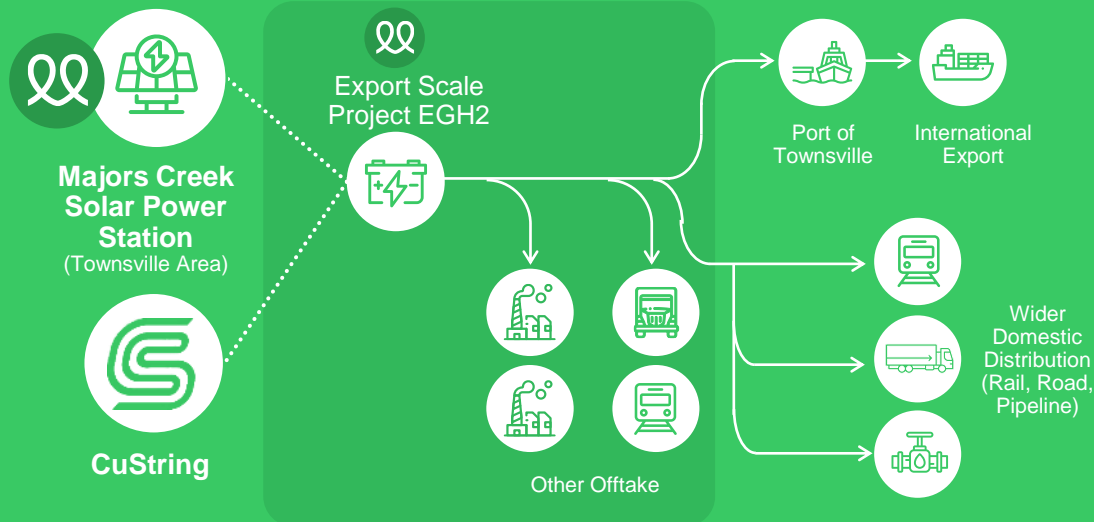
Project Summary

Edify Green hydrogen supply – staged delivery to meet market need



Small scale domestic use

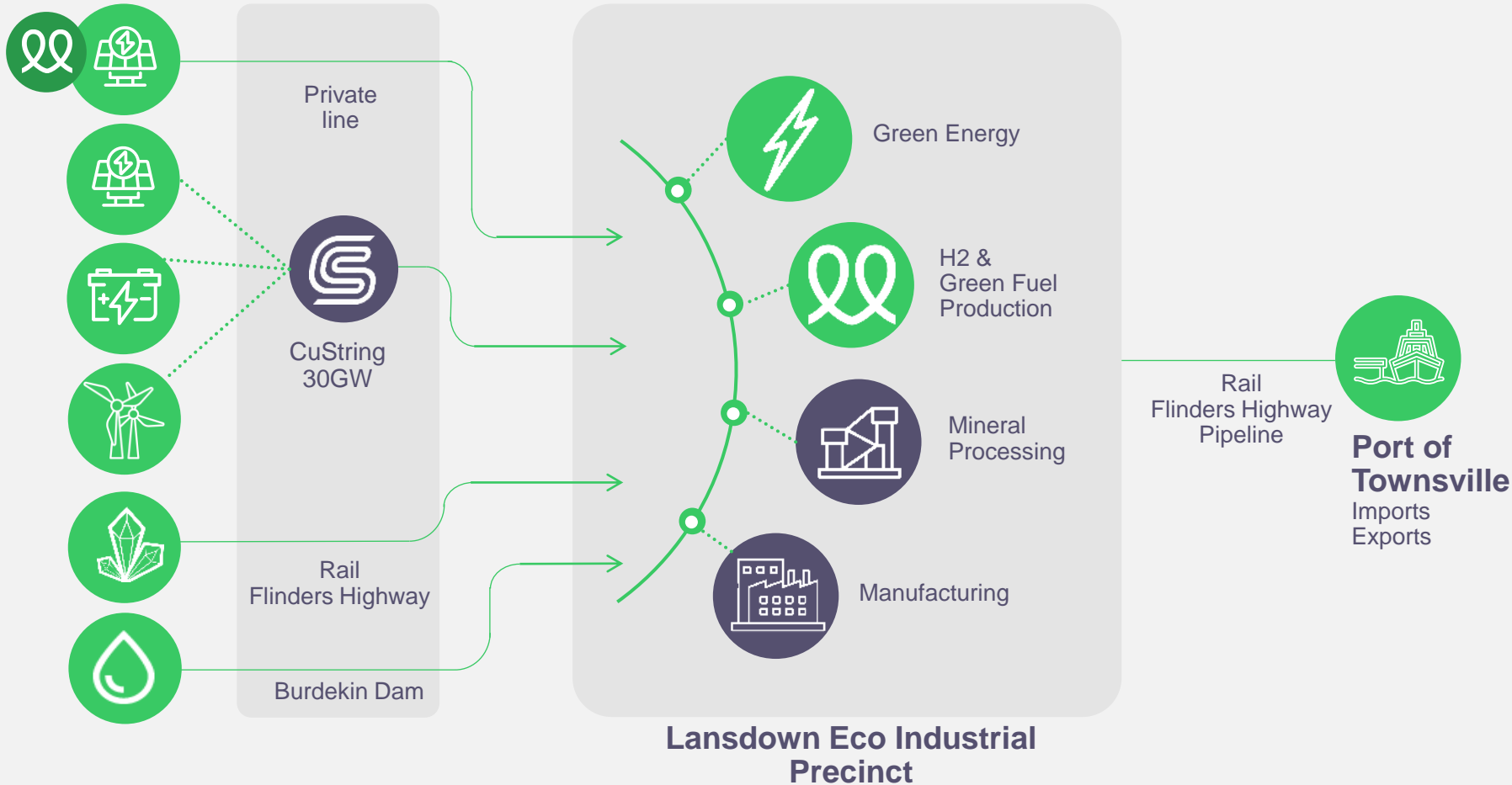
- **2027:** 17.6 MW electrolyser facility (domestic use)
- Local and regional offtake
- Strong technical and financial consortium
- 100% renewable behind the meter supply
- Includes H2 transporter and refueler
- A catalyst for H2 and industry growth in the region



Utility scale

- Multi GW capacity
- Export offtake
- Behind the meter generation from Majors Creek Solar Power Station
- Bulk electricity from the CuString 2.0 network
- Delivers to Edify's vision and region's potential for a world class clean energy industrial ecosystem

NQ Green Growth – massive potential



Green Energy from CuString

- **Decarbonise** mining, mineral processing, manufacturing and green fuel production
- For Domestic use and
- Export from the Port of Townsville
- Valued added manufacturing

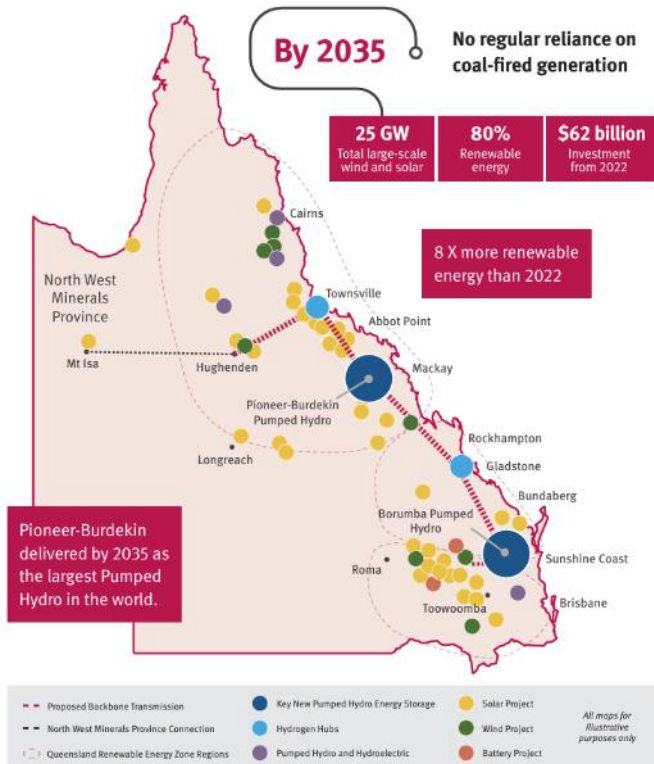
NQ Green Growth – massive potential



Not new thinking. Making it happen is the key

What is the Queensland SuperGrid?

The SuperGrid is all of the elements in the electricity system, including the poles, wires, solar, wind and storage that will provide Queenslanders with clean, reliable and affordable power for generations.

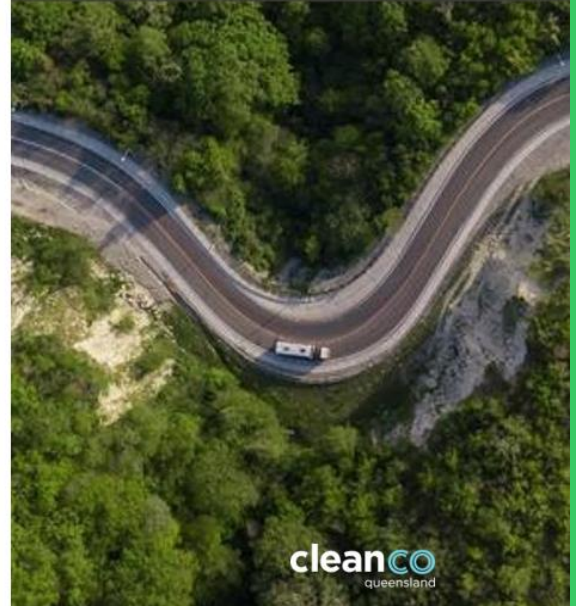


The Queensland Government has outlined the optimal infrastructure pathway in the *Queensland SuperGrid Infrastructure Blueprint*.

Projections informed by independent modelling and internal analysis



Grow	Electrify, nurture hydrogen, attract processing
Protect	Grid-scale batteries, gas, pumped hydro
Prosper	Map future jobs and skills, train and translate, maximise supply chains



See [LINK](#) Queensland Energy & Jobs plan

Slide from a presentation by Maia Schweizer, former CleanCo CEO at Australian Energy Week, Melbourne 26 May 2021



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Jet Zero

A U S T R A L I A TM

TOWNSVILLE INDUSTRY BREAKFAST

Jet Zero Australia Pty Ltd ACN 656 170 393

Strictly Confidential

15 August 2024



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INTRODUCTION

Jet Zero is an Australian biofuel company with multiple SAF projects under various stages of development, including the **most advanced SAF project on the east coast of Australia**, Project Ulysses, a groundbreaking LanzaJet ATJ SAF project in Townsville backed by strong partners.

AIRBUS

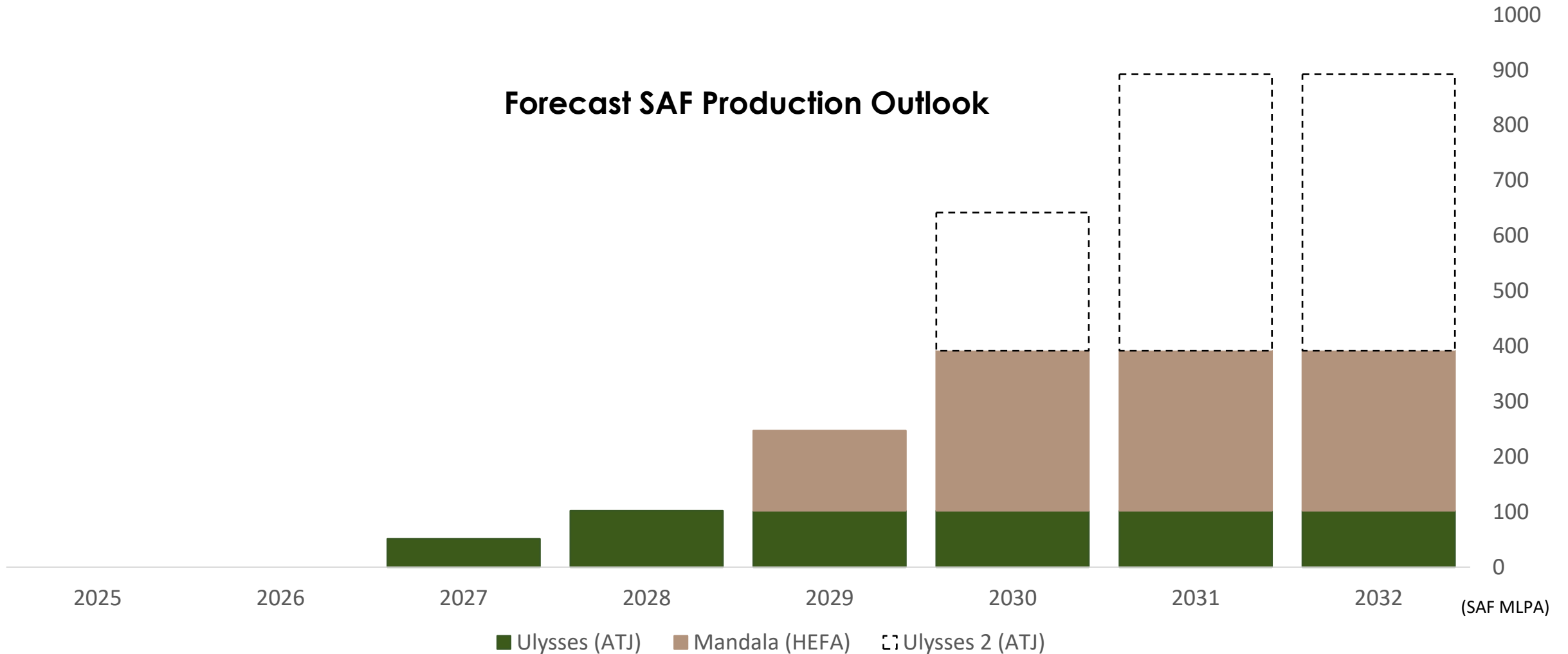


QANTAS



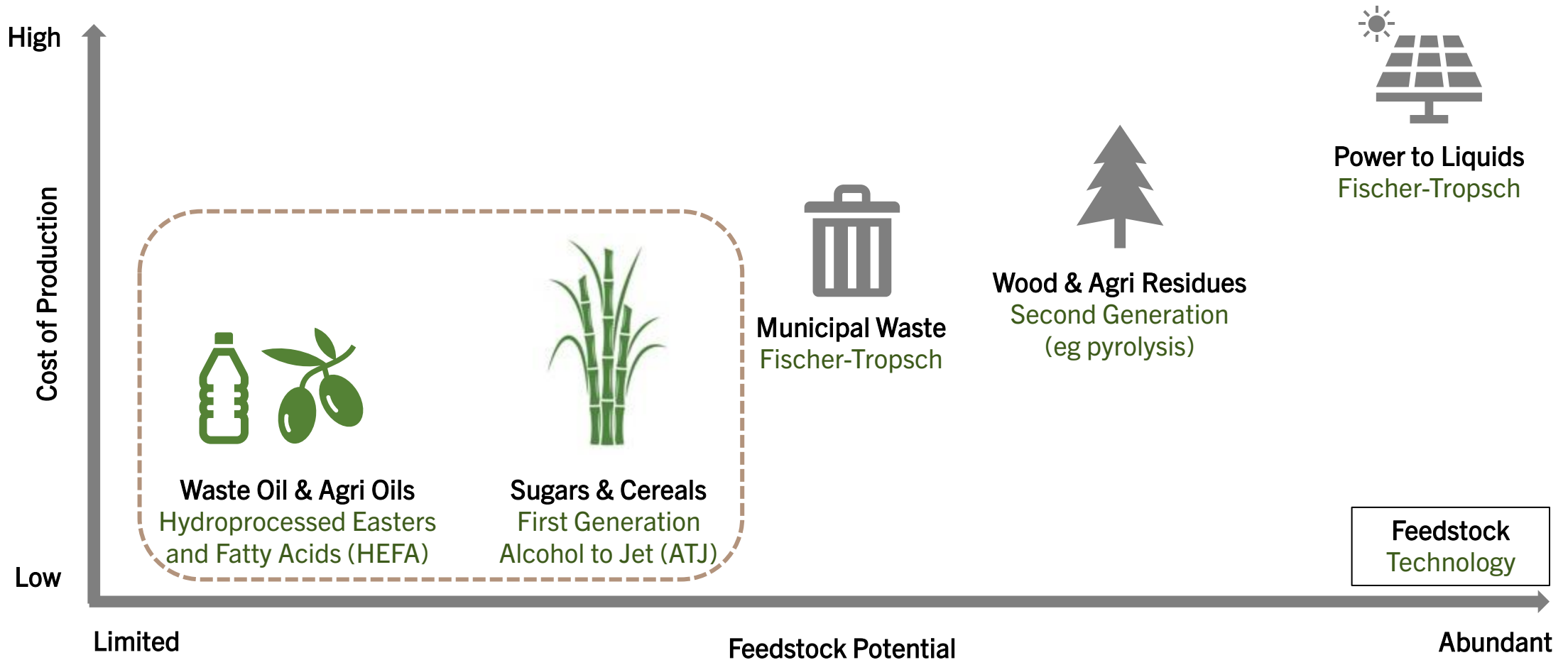
GROWING VALUE OVER MULTIPLE TIME HORIZONS

Multiple SAF studies underway, led by Project Ulysses, providing significant long-term optionality



DEFINED FEEDSTOCK AND TECHNOLOGY FOCUS

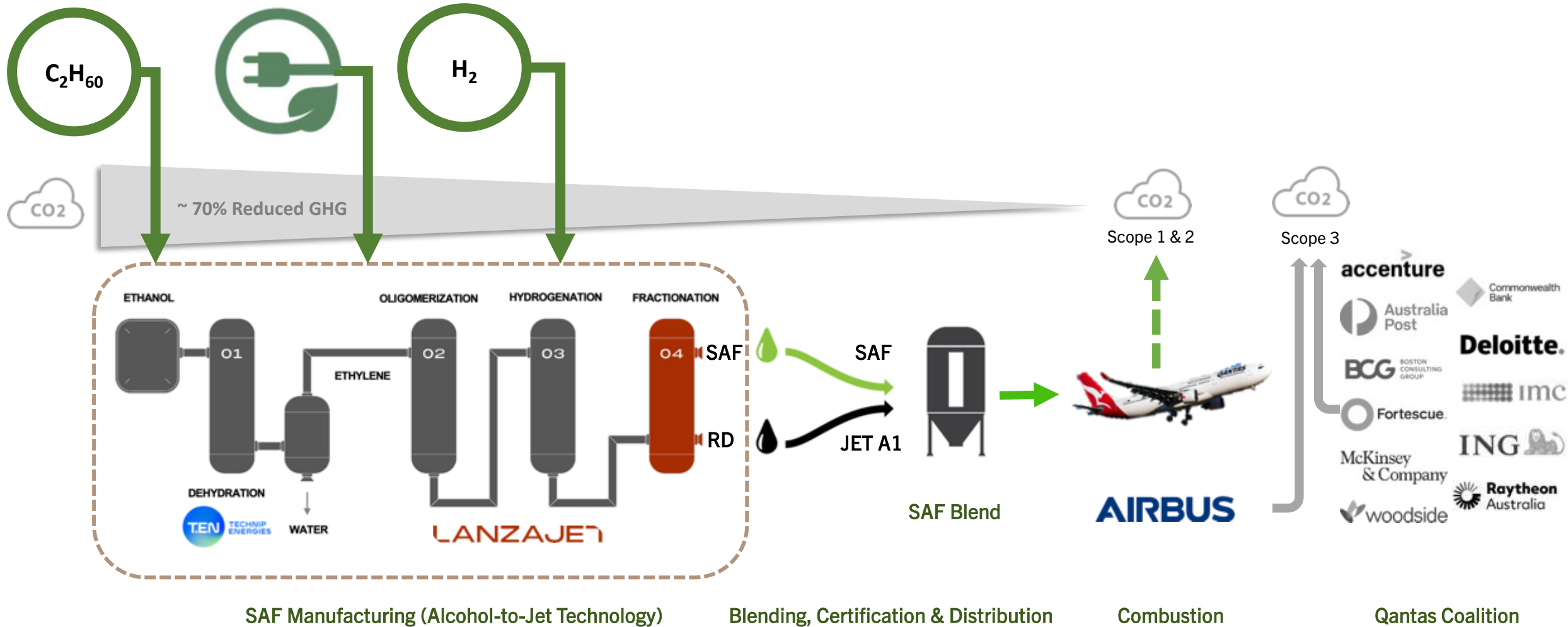
Focussed on lower cost ATJ and HEFA feedstock families and technology



Source: bp

ATJ PROCESS USES LOCAL INFRASTRUCTURE

Significant demand for local ethanol, green H₂ & renewable electricity



THREE DISTINCT HIGH VALUE PRODUCTS PRODUCED



Physical SAF



Scope 1 + 3
SAF Certificates

Fuel Properties	Jet A1 Spec	Jet Zero ATJ-SPK
Fuel Certification	ASTM D1655	✓ ASTM D7566
Freeze Point, Degrees Celsius	-47 max	✓ Lower
Energy Density MJ/kg	42.8 min	✓ Higher
Thermal Stability	Baseline	✓ Excellent
Viscosity @ -40 Degrees Celsius mm ² /sec	12 max	✓ Lower
Hydrogen %	13.4 min	✓ Higher
Aromatics %	8 min, 25 max	✓ Nil
Sulphur total mass %	0.30 max	✓ Almost Nil

Carbon Certificate Attributes	Jet A1 Spec	Jet Zero ATJ-SPK
Sustainability Certification	-	✓ RSB ICAO CORSIA
gCO ₂ eq/MJ	89.00	✓ 25.98 (71% reduction)
Feedstock	Crude Oil	✓ Waste Wheat Starch
Feedstock Country of Origin	Various	✓ Australia
Country of SAF Blending	-	✓ Australia
Type of Reporting	-	✓ Voluntary

Note: Carbon Certificate Attributes for Jet Zero ATJ-SPK above relate to Project Ulysses

MULTIPLE BENEFICIARIES FROM CARBON ATTRIBUTES

All stakeholders can play a central role in creating a circular carbon abatement ecosystem



MULTIPLE BENEFITS BEYOND CARBON ATTRIBUTES

Environment

lower overall emissions



Regional Jobs

100 full time and 1000 construction jobs



Fuel Security

domestic fuel supply



Panel



Thomas Dockray
CopperString 2032 Project Director
Powerlink



David Edwards
Specialist Advisor
Lansdown Eco-Industrial Precinct



Geoff Whebell
Director
Cleveland Bay Chemical Company



Paul Holden
Critical Minerals Qld Lead
Department of Resources





Australian Government
Department of Industry,
Science and Resources

AusIndustry

Townsville Industry Breakfast

John Chandler
North Queensland Regional Manager

Take your Queensland business journey with the State and Australian Government



Visit the website for practical business resources including business tools and factsheets, as well as grants, workshops and events from all levels of government.

business.gov.au



We can connect you to information, grants, registrations and support to help your business succeed.

business.gov.au/contact-us



Local business experts with tailored guidance to help you navigate available funding, information, support and connections that will help to achieve your business goals.

business.gov.au/AusIndustry



Free access to business experts who provide insights, options and suggestions relating to challenges and opportunities you are experiencing in your business.

business.qld.gov.au/mentoring-growth

Get Information

National Reconstruction Fund (NRF)

\$15 billion of capital to transform and strengthen priority industries, supporting employment growth, regional development, and a future made in Australia.

industry.gov.au/national-reconstruction-fund

Industry Growth Program

Supporting small and medium enterprises (SMEs) and startups commercialise their ideas and grow their business.

business.gov.au/igp

Venture Capital

Access information for venture capital seekers including how to prepare and pitch, and learn about available partnerships and funds.

business.gov.au/venture-capital

Queensland Technology Hubs

The Queensland Technology Hubs provide businesses with opportunities to develop their AI and XR capabilities and connect with the latest innovations in the AgTech and Logistics sector.

advance.qld.gov.au/technology-hubs-centres

The Office of Defence Industry Support (ODIS)

Provides advisory, guidance and mentoring services to small and medium enterprises looking to engage with the Defence industry.

defence.gov.au/ODIS

Seek business support

Explore markets

Export Market Development Grants

Reimbursements grants of up to 50% of expenses above \$5k incurred for promotional activities in new markets for exporters.

austrade.gov.au/EMDG

Find grant funding

TradeStart

Austrade's TradeStart service offers SME exporters the combined resources of Austrade and each partner organisation, providing local assistance and a direct link to Austrade's services and overseas network.

austrade.gov.au/TradeStart

Build your business

Export Finance Australia

EFA is the Australian Government's export credit agency, providing finance solutions for Australian exporters and overseas infrastructure development that delivers benefits to Australia.

exportfinance.gov.au

Research your ideas

R&D Tax Incentive

Tax offset to encourage investment in research and development activities. For businesses in all industries and sectors.

business.gov.au/RDTI

Cooperative Research Centres (CRCs & CRC-Ps)

CRC & CRC-P Grants provide funding for short term research collaborations to develop a new technology, product or service through to medium to long-term, industry-led research collaborations to help improve the competitiveness, productivity and sustainability of Australian industries.

business.gov.au/cooperative-research-centres-crc-grants

Commercialise your idea

CSIRO Kick-Start

CSIRO Kick-Start provides matched funding for start-ups and small to medium enterprises to help access CSIRO's research expertise and capabilities.

business.gov.au/CSIRO-KickStart

National Industry PhD Program

Supports employees and university researchers to partner and work on business problems/ ideas through a PhD.

education.gov.au/national-industry-phd-program

Australia's Economic Accelerator

Grants for universities to drive commercial outcomes and translate their research with an industry partner.

eea.gov.au

QLD Regional Manufacturing Hubs

A place for local manufacturing businesses to receive expert advice and support to transition to advanced manufacturing.

rdmw.qld.gov.au/regional-development/manufacturing-hubs

Made In Queensland

Support for SME manufacturers to increase international competitiveness, productivity and innovation through the adoption of new technologies, and to generate high-skilled jobs for the future.

rdmw.qld.gov.au/made-in-queensland

Australia's Economic Accelerator (AEA)

AEA is a \$1.6 billion research funding program for businesses.

AEA provides innovative businesses the opportunity to partner with researchers and investors

Goals of the AEA

- Encouraging researchers to take risks and try new things.
- Providing clear pathways to commercialisation.
- Building strong links between industry and research.
- Inspiring Australian innovation and entrepreneurship.
- Growing and diversifying Australia's economy.
- Shaping Australia's future.

To be eligible, business projects must lie within one of the seven NRF priority areas

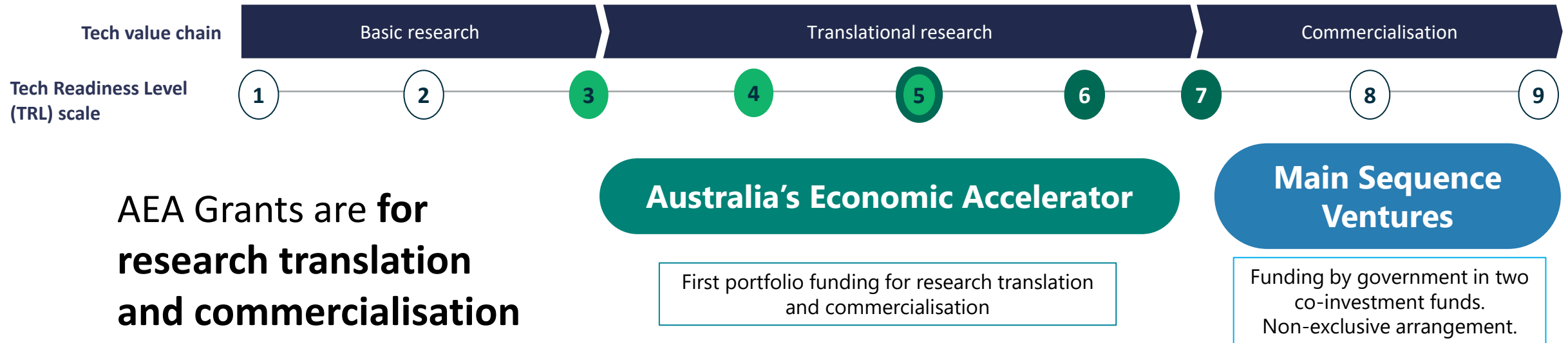
- Value-add in resources
- Agriculture, forestry and fisheries
- Medical science
- Renewables and low emission technology
- Defence capability
- Transport
- Enabling capabilities



Learn more about the program

Australia's Economic Accelerator Program

A new **competitive grant program** designed to bridge the 'valley of death' between basic research and commercialisation.



AEA Grants are for **research translation and commercialisation**

Australia's Economic Accelerator

First portfolio funding for research translation and commercialisation

Main Sequence Ventures

Funding by government in two co-investment funds. Non-exclusive arrangement.

Stage 1- AEA Ignite

- Grants up to \$500K
- TRL 3-5
- Proof-of-concept

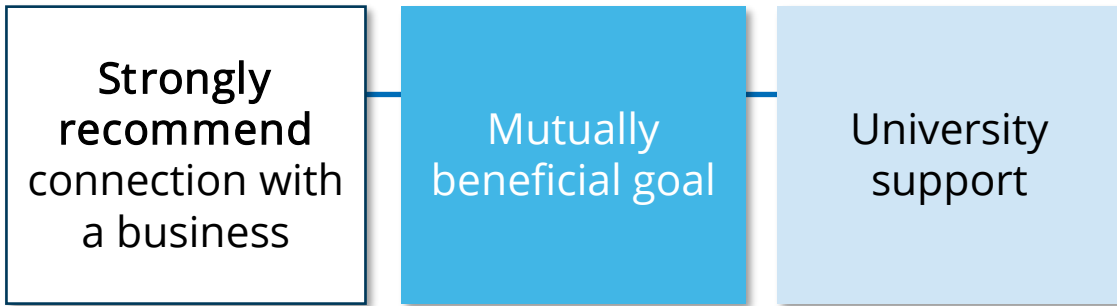
Stage 2- AEA Innovate

- Grants up to \$5M
- TRL 5-7
- Proof-of-scale

Stage 3

- \$150M in 2 successive Investment funds
- Commercialisation
- Not under Department of Education

Ignite



Innovate



Three icons representing funding, project duration, and TRL/NRF priorities for the Ignite process. The first icon shows a hand holding a dollar sign with radiating lines. The second icon shows a checklist with a gear. The third icon shows a thermometer with radiating lines.

<\$500,000 funding

Projects up to 1 year

TRL 3-5, NRF priorities

Three icons representing discussion, application, and support for the Ignite process. The first icon shows a mouse cursor with radiating lines. The second icon shows a stopwatch with radiating lines. The third icon shows three people icons connected by lines.

Discuss with Priority Manager anytime

Apply in **competitive** rounds

Priority Manager support

Three icons representing funding, project duration, and TRL/NRF priorities for the Innovate process. The first icon shows a hand holding a dollar sign with radiating lines. The second icon shows a checklist with a gear. The third icon shows a thermometer with radiating lines.

<\$5 million funding

Projects up to 2 years

TRL 5-7, NRF priorities

Three icons representing discussion, application, and support for the Innovate process. The first icon shows a mouse cursor with radiating lines. The second icon shows a stopwatch with radiating lines. The third icon shows three people icons connected by lines.

Discuss with Priority Manager anytime

Apply in **competitive** rounds

Priority Manager support



Blundstone

TASMANIA AUSTRALIA 1879



A HISTORY OF NEVER STANDING STILL

Unlocking Innovation: Research & Design & Development with Blundstone Joint CEO, Adam Blake

Hear how Blundstone, an Australian icon and now a global footwear brand leverages R&D&D to drive success and remain competitive

Monday 19 August 5.30pm - 7.30pm
143 Walker Street www.spnq.org/events

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John Chandler

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We appreciate your feedback!

- Townsville Industry Breakfast series – Feedback form
- Scan QR code
- A link will also be provided in an email later today, along with a copy of today's presentations
- Thank you in advance for your time on this



Keep in the loop...

- Follow us on Eventbrite for our events and workshops...
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THANK YOU



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State Development & Infrastructure

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