

The Department of
**State Development, Infrastructure,
Local Government and Planning**

North Queensland Outlook

Three Big Themes

1. The Economic Adjustment
2. The Construction Outlook
3. Bottlenecks

The Economic Adjustment

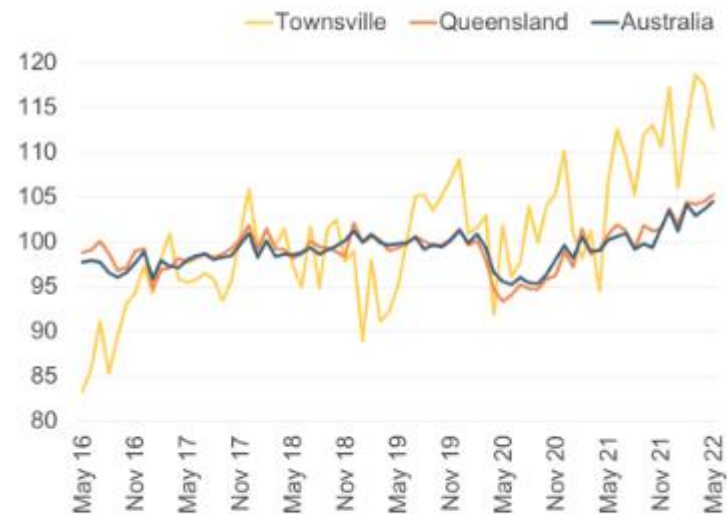
In A Strong Position

Economic Activity Index



Note: Domestic Demand; Index: 100=Dec 2019

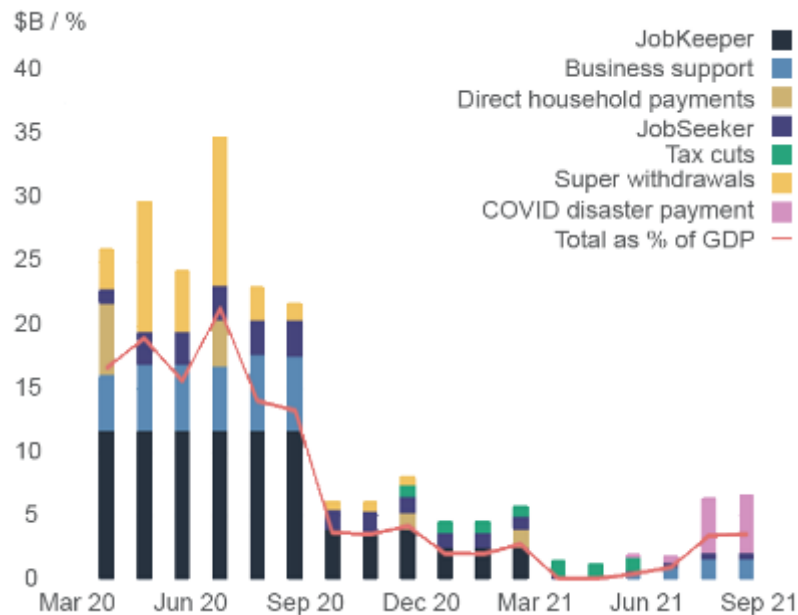
Employment Index



Note: FT Employment-Population Ratio; Index: 100=2019 Avg

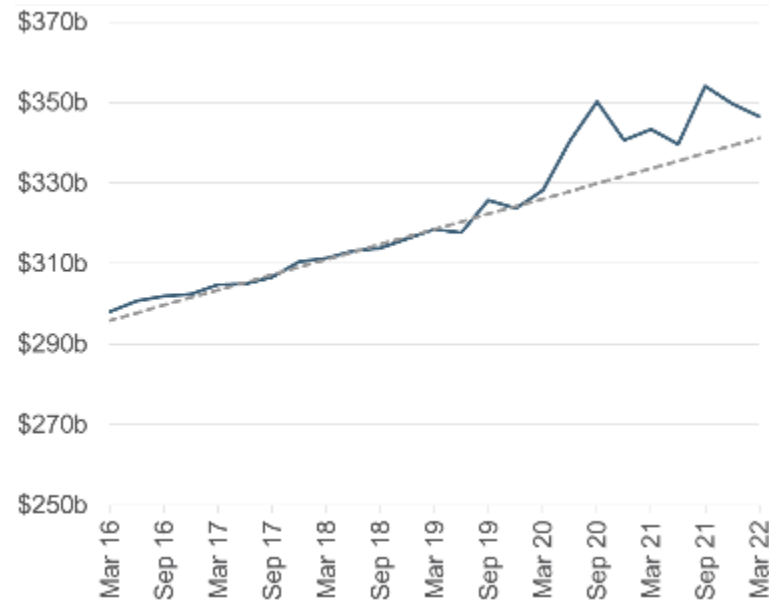
An Artificial High

Monthly Government Stimulus Payments, Australia



Source: Jarden

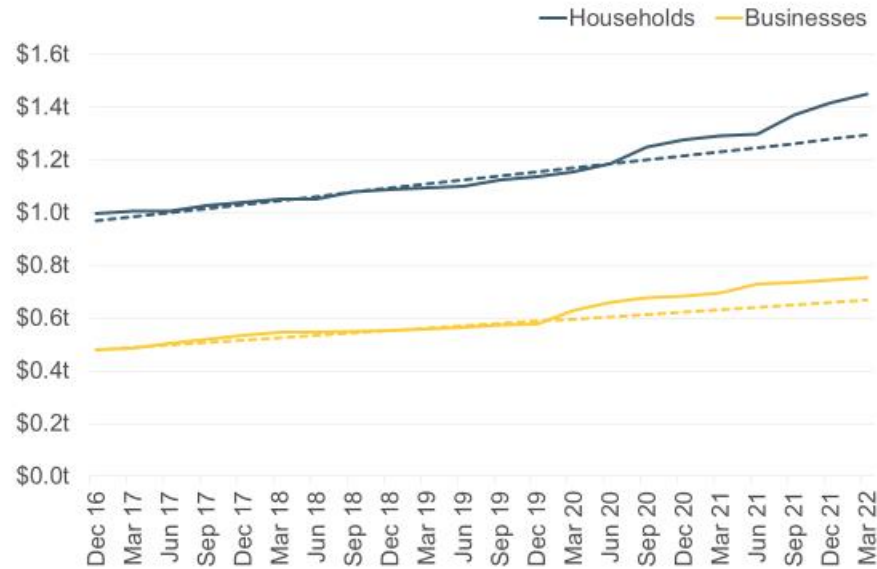
Real Household Disposable Income, Australia



Source: RBA, CSQ

Private Sector Feeling Invincible

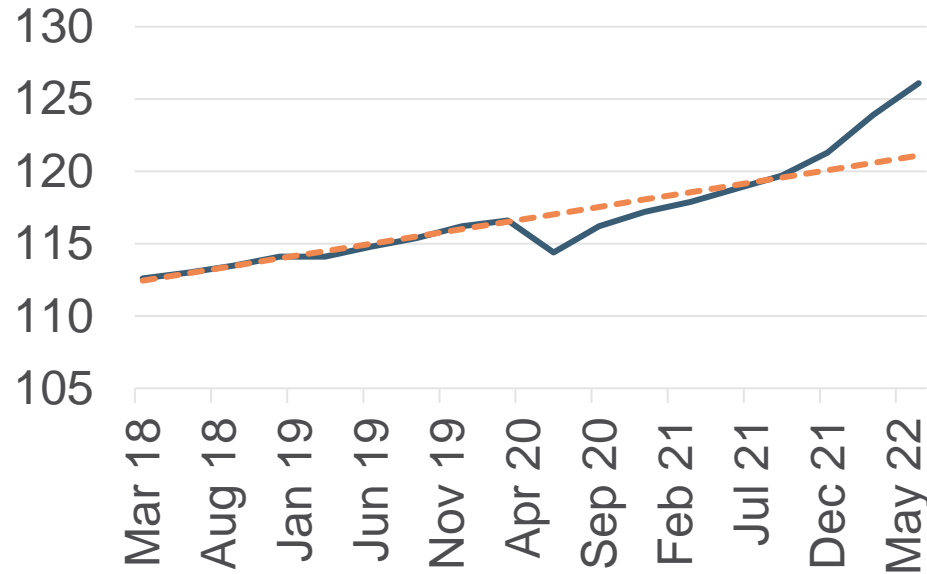
Bank Deposits, Australia



Source: RBA, CSQ

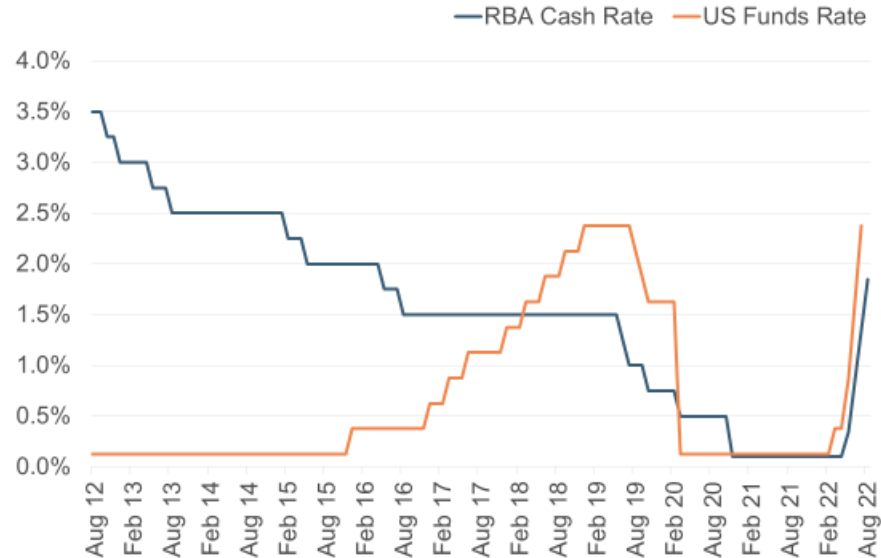
All Stimulants Have Side Effects

Consumer Price Index, Australia



The Comedown

Central Bank Interest Rates

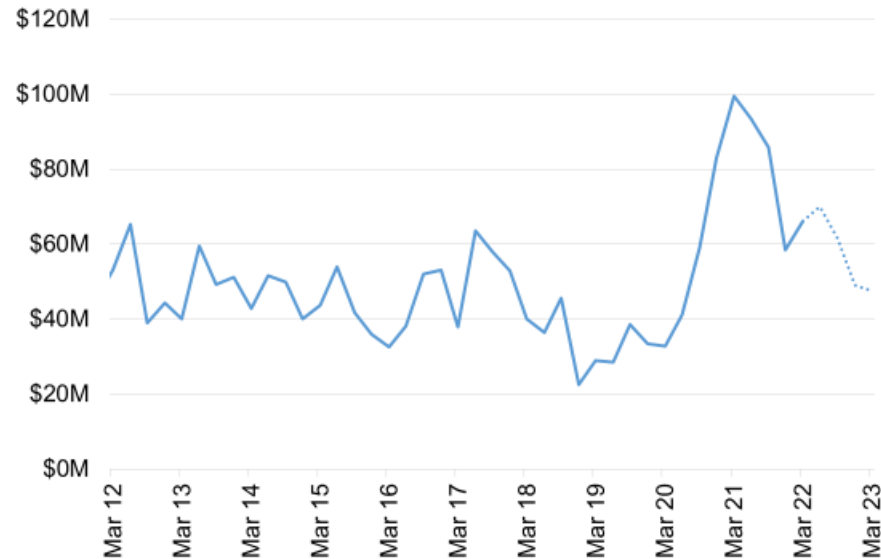


Source: RBA, FRED

The Construction Outlook

The Boom That Was

Housing Approvals, Qtly, Townsville



Activity Will Stay Elevated

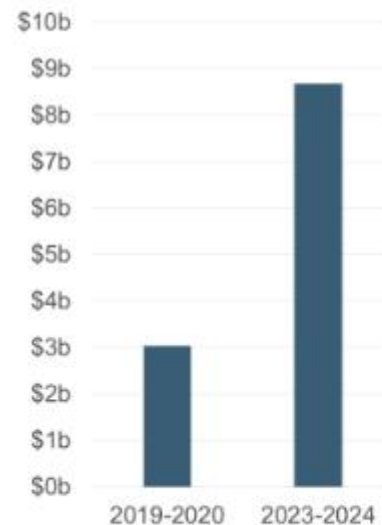
Housing Pipeline, Qtly, Townsville



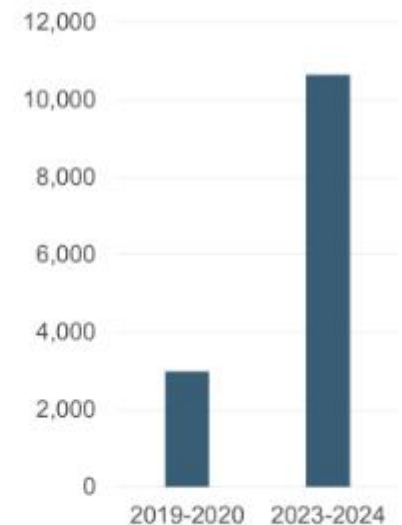


NQ Major Projects Pipeline

Construction Activity

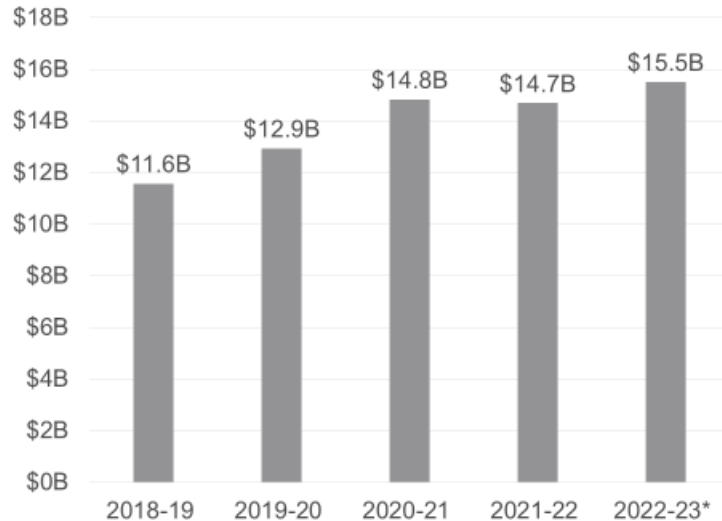


Construction Jobs



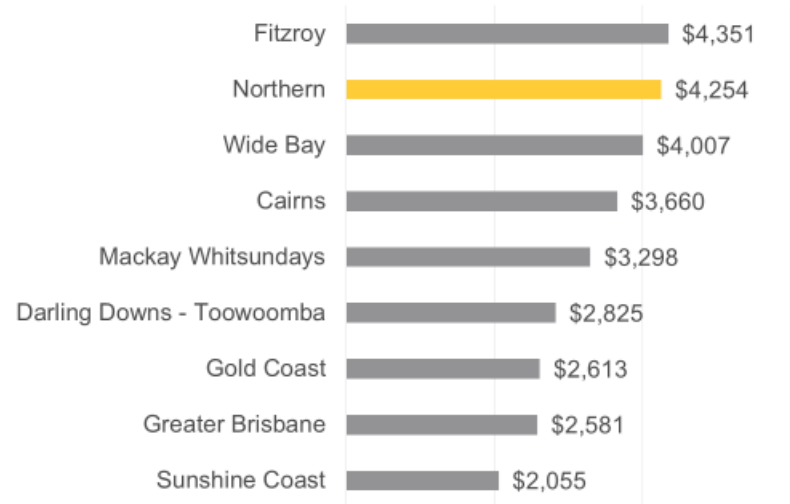
Public Spend A Big Driver

Queensland Government CAPEX



* Budget estimate

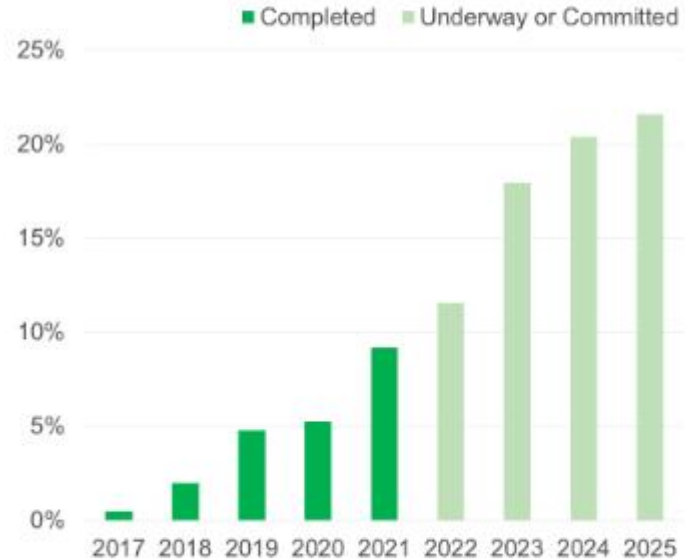
Queensland Government CAPEX per capita, 2022-23



Renewables Another Big Driver



Renewables share of major construction projects, Qld

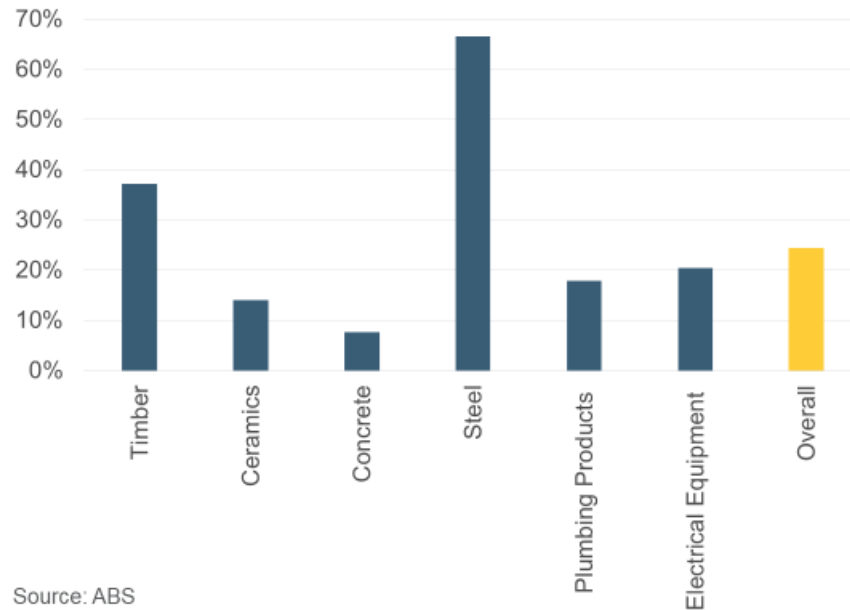


Source: CSQ QREP database (2022), CSQ MP database (2022)
Note: Five year rolling average by project end date

Supply-Side Bottlenecks

Material Inflation Has Peaked*

Construction Material Price Rises, Mar '20 – Jun '22



Source: ABS

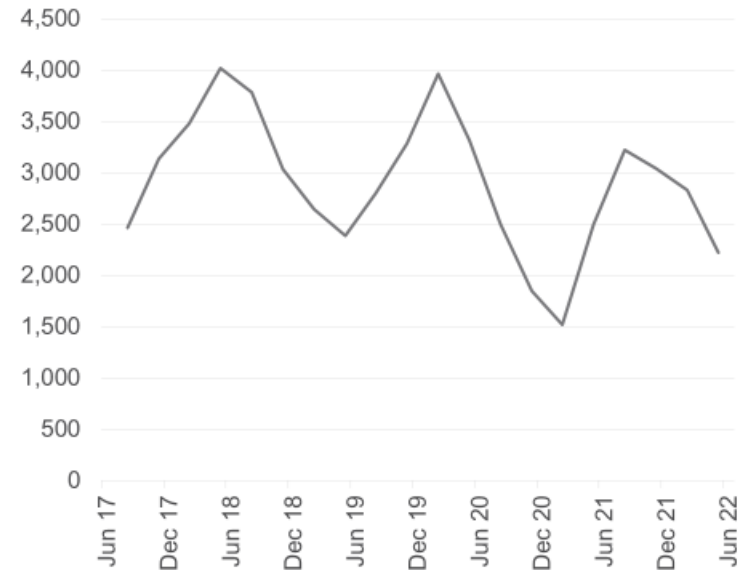
* Probably

Labour Market Still Tight

Construction Trade Job Ads, Townsville (index)

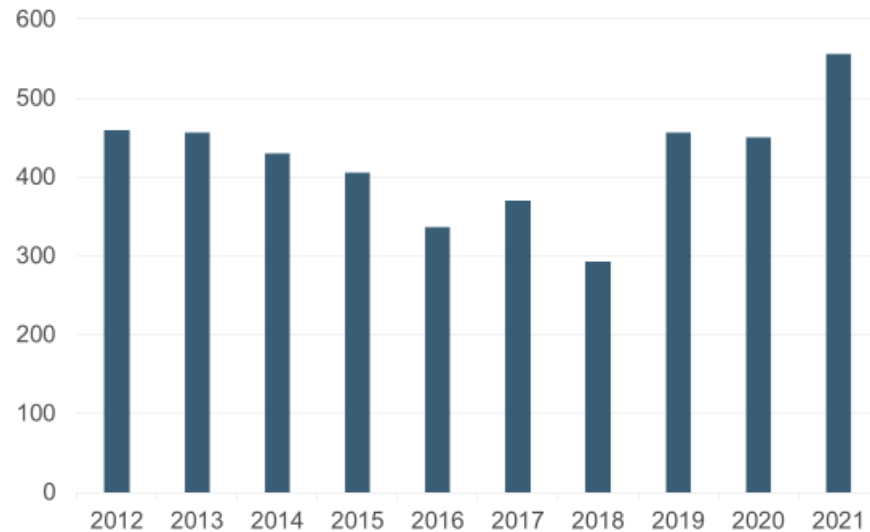


Construction Trade Employment, Townsville



A Silver Lining

Construction Apprentice Commencements, Northern Qld



Note: seasonally adjusted



Thank You



KIDSTON HYDRO - TRANSMISSION LINE AND SUBSTATION CONSTRUCTION LOCAL OPPORTUNITIES

Acknowledgement of Country

*UGL respectfully acknowledges Aboriginal
and Torres Strait Islander peoples,
Traditional Owners, and the Custodians
of the land on which it works, and pays its
respects to Elders, past, present and
future.*

History of UGL



UGL originated as a small engineering business, in Western Australia in the late 1960s.

Expanding nationally during the 1990s, UGL acquired Goninan, the country's leading producer of railway rolling stock, founded in 1899.

Changed company name to United Group Limited



Changed company name to UGL Limited

UGL was acquired by CIMIC Group.



We have evolved from a family business to become **the best at what we do** in the many and varied sectors of which we operate.

Our success has been built on anticipating and reacting to market trends and demands, maximising our opportunities.

1899

THE HISTORY OF UGL

TODAY

1994



Alfred Goninan established a small engineering business at Wickham (5.5 acres).



Listed on the Australian Securities Exchange as United Construction

1998

Kilpatrick Green*



1999

Goninan*

2002

KFPW*



2004

Thames Water*

2005

Premas / Alstom*



2006

Peak Security / Steelplan*

2007

Equis / Fischer Industries /



Goulburn Railway Workshops /



2011

PCS / Unico*

2011

PCS / Unico*

In 2011, UGL acquired DTZ Holdings, creating a global leader in property services that was later divested.



Today we are a tier one contractor, respected and trusted by our clients across all sectors.

120 UGL YEARS OF HISTORY





Cimic Annual Revenue in 2021 of 14.7Billion AUD





POWER	WATER	RESOURCES	TRANSPORT	DEFENCE, SECURITY & LAW ENFORCEMENT	SOCIAL INFRASTRUCTURE
GENERATION	WATER & WASTEWATER TREATMENT	OIL & GAS	PASSENGER RAIL	MARITIME	HOSPITALS
TRANSMISSION LINES	PIPELINES	UP, MID & DOWNSTREAM	FREIGHT RAIL	LAND	SCHOOLS
SUBSTATIONS	NETWORKS	INDUSTRIAL PROCESSING	ROADS	RISK SERVICES & UTILITIES	PRISONS
DISTRIBUTION		TERMINALS	MECHANICAL & ELECTRICAL FITOUTS INC ROADS & TUNNELS	SHIPS	TRANSPORT OPERATIONS INC BUS & HEAVY & LIGHT RAIL
NETWORKS & INTEGRATION		PIPELINES	INTELLIGENT TRANSPORT SYSTEMS	DEPOTS	
SOLAR		MATERIAL HANDLING PLANTS	COMMUNICATION SYSTEMS		
WIND			SIGNALLING		
BATTERIES			POWER		
ENGINEERING DESIGN					
CONSTRUCTION & COMMISSIONING					
			MANUFACTURING		
OPERATIONS, MAINTENANCE & FACILITIES MANAGEMENT					
UPGRADES AND OVERHAULS					
ASSET MANAGEMENT					

CAPABILITIES

A MEMBER OF THE CIMIC GROUP
CIMIC

*one of the world's leading
international contractors and the
world's largest contract miner.*



**Two operating divisions with a
strong sector focus**



>7000
People



>400

Design engineers
(Process, Civil, Structural,
Mechanical, Piping, LV/HV
Electrical, Instrumentation,
Controls & Digital Systems)



>33

significant major contracts
(Oil & Gas and Resources)

**Proven rail build, maintenance
and support, asset
management capability**



>8000
freight vehicles



>950
passenger rail carriages



>600
locomotives



15

major tunnel systems projects
in Australia
(Road and Rail)



~ 6 million
man-hours per annum in asset
services and maintenance
(2012 – 2021)



>50

power projects
(Substations, Power stations,
Battery storage, Distribution
and Transmission since 2010)



>15

renewables projects
(Solar and Wind)



13 / 2,300 MW
in Open & Combined Cycle
Power Stations



>25

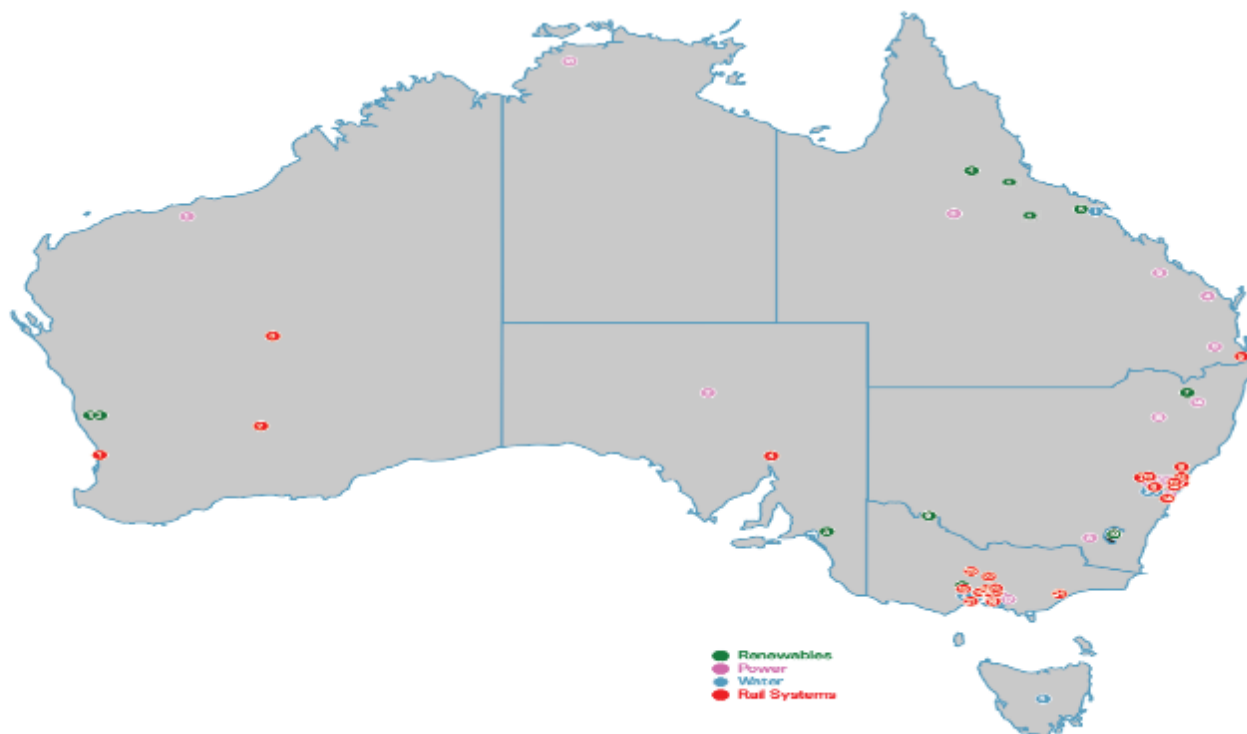
water projects
(Water and Wastewater
Treatment Plants, Reclamation)

UGL Current Power Infrastructure Projects



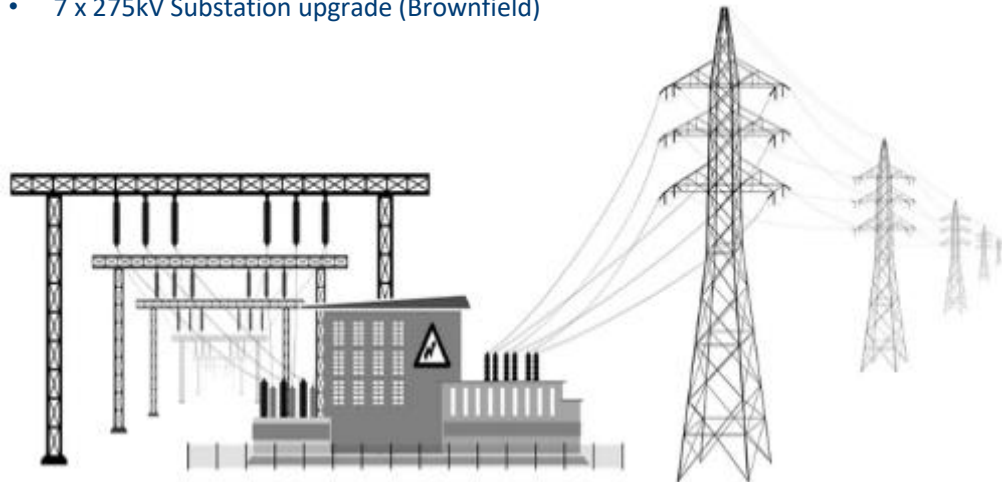
UGL Projects

WA	1	Emu Downs Solar Farm, Badgingarra	Renewables
	2	Badgingarra Solar Farm	Renewables
	7	Koolberril - Pilbara	Power
	34	Balmain Worleypar WA Service Orders	Rail Systems
SA	1	Packington Road Main Line Crossing	Rail Systems
	34	RAIL ALX 10 Year	Rail Systems
QLD	9	Tullahoma Solar Farm	Renewables
	10	ElectraNet - SA to NSW V Interconnector	Power
NSW	4	Mit Crossing Upgrade - for Phobos	Rail Systems
	4	Kidston Solar Farm	Renewables
	8	Collareville Solar Farm	Renewables
	10	Cooper Milling	Power
	10	GIN GIN	Power Program
	10	Callide	Power Program
VIC	1	Lithgow	Power Program
	1	Mixed WWTU Upgrade	Water
	1	Southern Water Supply	Rail Systems
	6	Sydney West DESG, Eastern Creek	Renewables
	7	White Rock Solar Farm, Glen Innes	Renewables
	7	Valley Point R. Mount Piper	Power
	9	Murrumbidgee Lino and Shallow Station	Power
	10	Huntington - Endeavour	Power Program
	10	Cherrybrook Depot - Endeavour	Power Program
	10	Perris Depot - Endeavour	Power Program
TAS	10	Kings park Depot - Endeavour	Power Program
	10	Warragunga Depot - Endeavour	Power Program
	10	New England	Power Program
	10	Queensland	Power Program
	10	Lower South Creek	Power Program
	10	DRP WARRAG	Water
	10	Blackburn ATRIS Delivery Support	Rail Systems
	10	ATP Train Stop - Blue Mountains	Rail Systems
	10	ATP Area 5, 2 & 3	Rail Systems
	10	PRR Inter-Trip DSG (TNRD)	Rail Systems
	10	MTM Substation Equipment	Rail Systems
	10	ATP Area 1 and 7 QW	Rail Systems
	10	Sydney Train Stop Support	Rail Systems
	10	ATP Area 4, 5 and 7.2	Rail Systems
	10	ATP CS Wollongong Stage 1	Rail Systems
NT	8	Victorian Big Battery, Moorabool	Renewables
	9	Warrenpoint Solar Farm, Robinvale	Renewables
	10	Scotlands Substation	Power Program
	10	Dandenong Rail Road	Power Program
	10	Warragul WTP - Melbourne	Water
	10	RAIL Kings 1 TCR Works	Rail Systems
	10	Conduco Line Upgrade - Signalling	Rail Systems
	10	SGT Signalling - TSW	Rail Systems
	10	Various Projects	Rail Systems
	10	Service Agreement for Signalling System 10	Rail Systems
ACT	10	ROA - Melbourne Metro Tunnel	Rail Systems
	10	North Guelph "C" Box Signal	Rail Systems
	10	V-Line Minor Works	Rail Systems
	10	MMPA - High Speed Railwork	Rail Systems
	10	Avon River Bridge Upgrade - Trackwork	Rail Systems
	10	South Riverbank Project	Rail Systems
TAS	10	Maggie Lane Solar Farm, Gordon	Renewables
	10	Stateline/Mount - Substation	Power Program
NT	10	Stateline/Mount - Substation	Power Program
	10	Trochilus Alliance	Water



Current Project Portfolio – Fourteen projects in execution stage

- 2 x 330kV Substations (Greenfield)
- 2 x 275kV Substations (Greenfield)
- 1 x 189kM of Transmission Lines – single circuit
- 1 x 63kM of Transmission Lines – double circuit
- 3 x 85meter Transmission towers
- 7 x 275kV Substation upgrade (Brownfield)



Woree 275kV Substation

McIntyre 330kV Transmission Line

Kaban 275kV Substation

Cairns 275kV Substation

Genex 275kV Transmission Line

Lilyvale 275kV Substation

Guybal Munjan (Mt.Fox) 275kV Substation

Gin Gin 275kV Substation

Abermain 275kV Substation

MISS 330kV Substation

Tummaville 330kV Sub-Station

Palmwoods 275kV Substation

Kaban 275kV Transmission Towers

Project Key Stakeholders

Client Powerlink Queensland

Powerlink is a leading Australian provider of high voltage electricity transmission network services, combining innovation with insight to deliver safe, cost effective and reliable solutions.

Powerlink is a State Government Owned Corporate which owns, operates and maintains the transmission network that extends 1700km from north of Cairns to the New South Wales border, and comprises 15,500 circuit kilometres of transmission lines and 139 substations.

Powerlink has a strong history of connecting customers to the energy they need, providing electricity to almost four million people. This includes supplying electricity to the distribution networks owned by Ergon Energy, Energex (now Energy Queensland) and Essential Energy (in Powerlink also provides network connections for large-scale generators, as well as for major industrial customers operating rail systems, mines and mineral processing facilities).

UGL has worked with Powerlink for 35 years and has a very strong relationship with the Client.

UGL is currently constructing for Powerlink, Gin Gin Substation Rebuild, Gladstone South Substation works and Palmwoods Secondary Systems upgrade and has recently completed Mackay Substation augmentation, Palmwoods and Abermain Secondary System Replacement

The Kidston Transmission Project

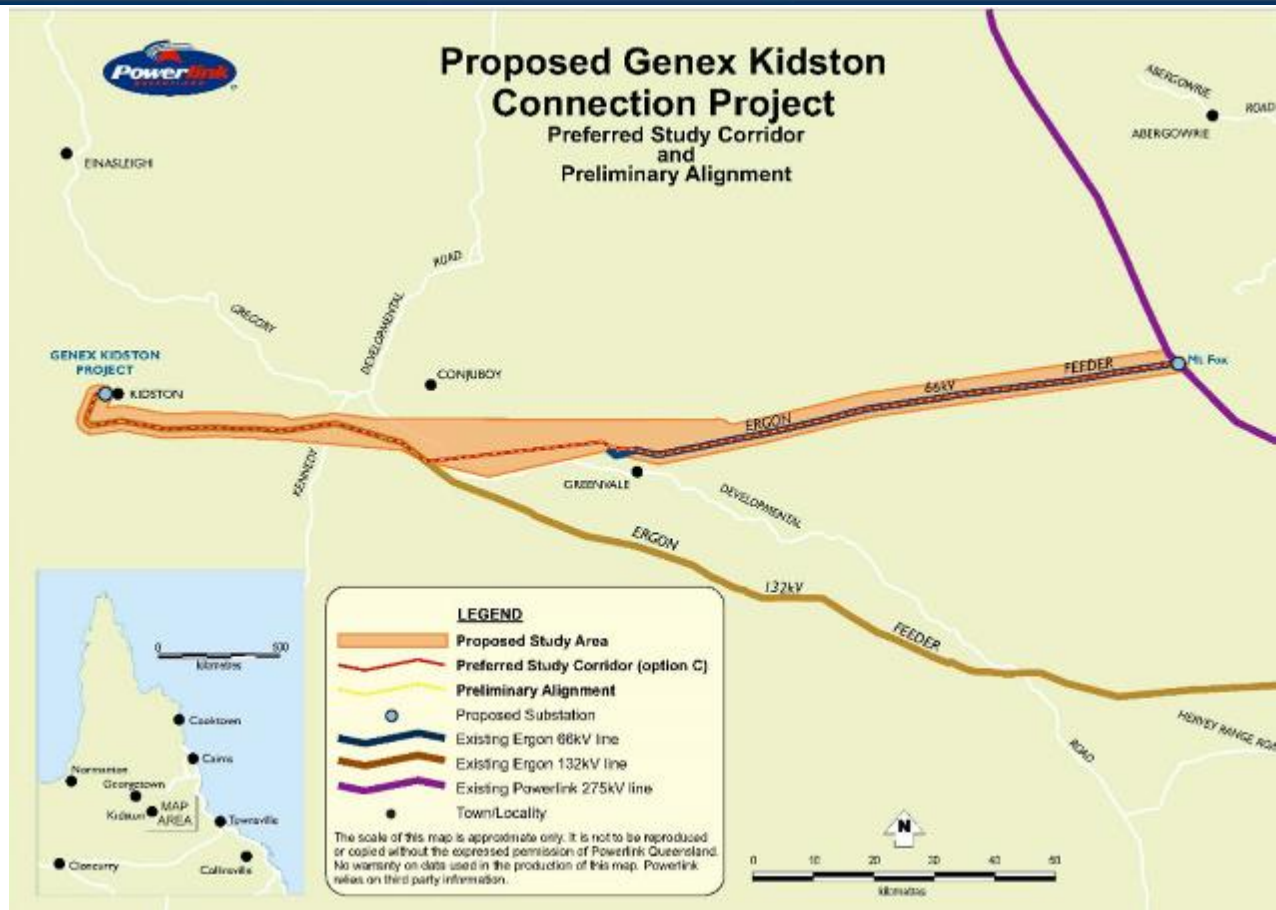


Project Description Overview

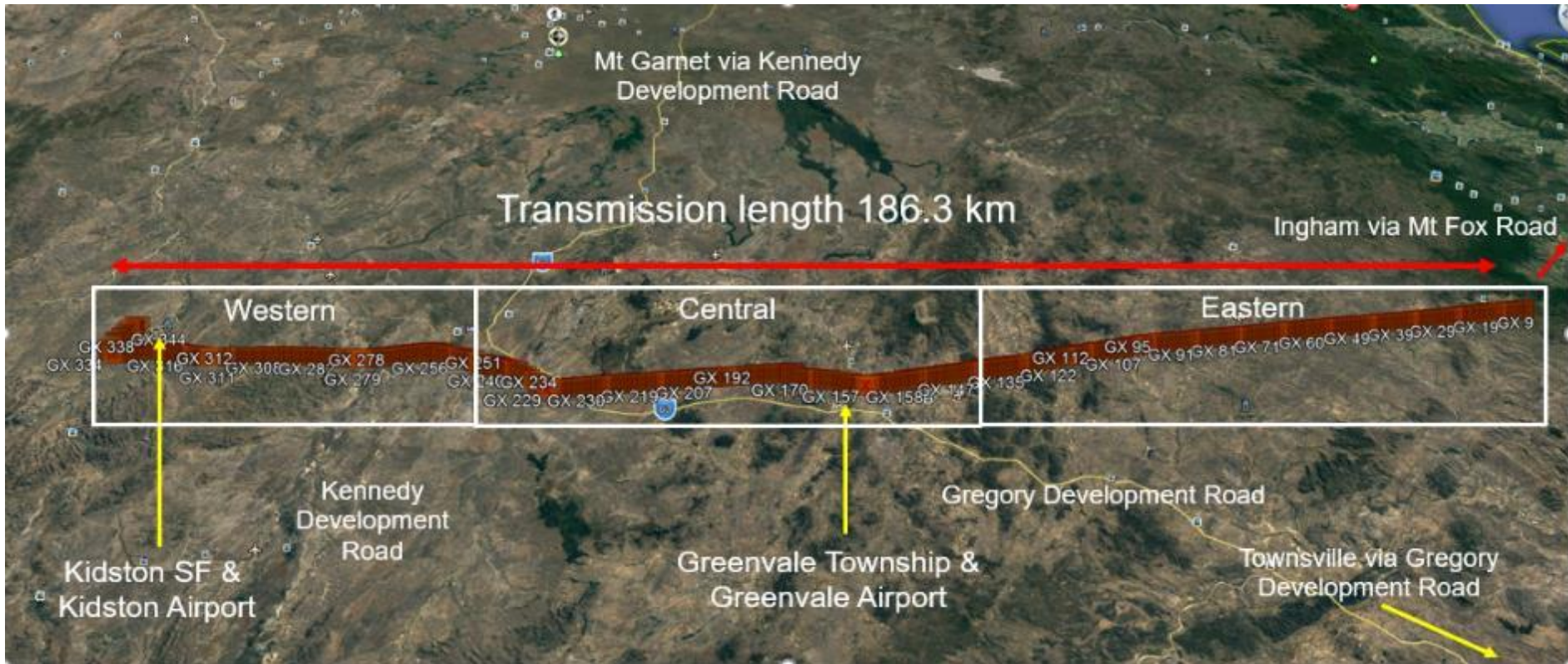
The project works includes part design and construction of 275kV single circuit lattice tower transmission line connecting Mt Fox substation west of Ingham with Kidston Solar Farm substation for Powerlink.

The 275kV transmission line runs adjacent to the existing Ergon 66kV Greenvale feeder corridor for 91km before traversing a 35km greenfield corridor and joining up with the existing Ergon 132kV Kidston feeder for 64km to Kidston Substation.

The new proposed Powerlink corridor is a 40m wide corridor running adjacent to the Ergon corridor.



Powerlink 275kv Transmission Line Connection Overview

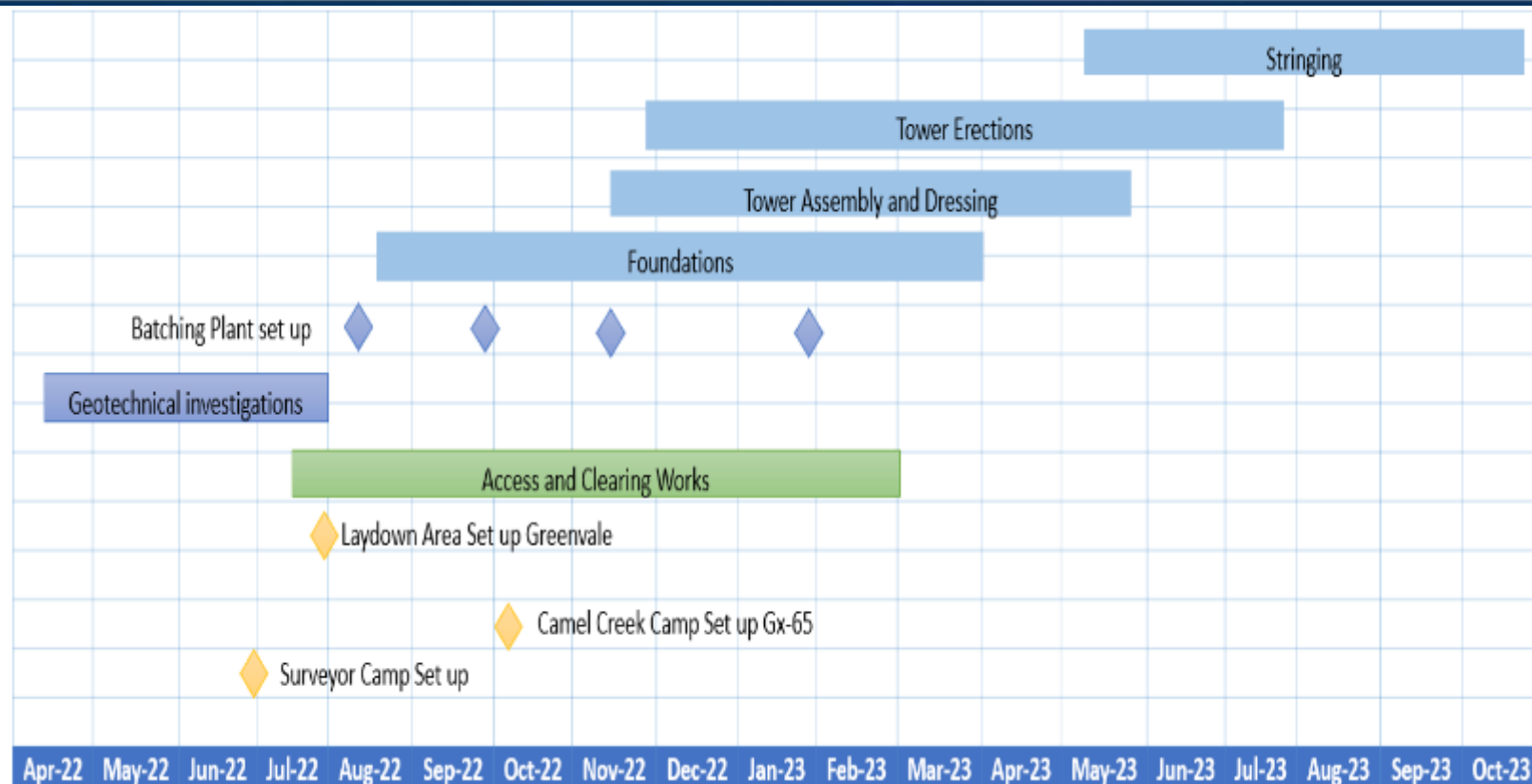


- **Local Jobs**

- > 180 jobs created from construction
- Looking to engage local jobseekers where practical

- **Opportunities for Local Businesses**

- Target \$25 million local procurement
 - Committed to enhancing direct economic benefits
 - Early engagement with residents along the corridor
 - Designed to promote local market participation
-
- ✓ Breakdown larger packages
 - ✓ Bundle opportunities to suit local businesses
 - ✓ Stage independent work areas
 - ✓ Fabricate materials locally where practical



The types of contracts we anticipate will be on offer include:

Substation – Site Establishment

- Site services - Potable water, ablutions, generator service, cleaning, waste removal
- Plant hire & Maintenance

Transmission Line – Site Establishment

- Support functions for accommodation camps
- Site services- potable water, ablutions, fuel, generator service, cleaning, waste removal
- Plant hire & Maintenance



SUBSTATIONS - CONSTRUCTION



- Survey and Geotechnical Investigation
- Bulk Earthworks - subcontractor
 - Drainage including concrete pipe supplies
 - Internal bitumen roads, substation gravel surface
 - Plant hire requirement (dependent on commercial subcontract)
- Civil Works - subcontractor
 - Formwork, reinforcing steel, concrete supplies, construction water
 - Plant hire requirement dependent on commercial subcontract
- Structural – local supplier
 - High Voltage electrical equipment supports - tubular steel
 - Hire crane and access equipment
- Management & Electrical Erection- UGL
 - Local skilled Electricians, trades assistants
 - Electrical equipment, conduits, some cable, consumables
 - Hire excavation, crane and access equipment



TRANSMISSION LINE - CONSTRUCTION



UGL self perform the majority of work with support provided by local suppliers and subcontractors as follows:

- **Tower Pads and foundations - UGL**
 - Hire plant for surface preparation
 - Concrete supplies with options for Batching Plants and/or agitator trucks
 - Environmental and erosion controls
 - Reinforcing steel supplies
 - Earthing cabling and fittings
- **Lattice tower steel – overseas supply**
 - Local heavy transport from Townsville wharf to UGL Townsville yard
 - Heavy transport UGL Townsville yard to tower sites
 - Crane hire for tower assembly and erection
 - Access equipment hire for tower erection
 - Fixings and alterations to tower steel



TRANSMISSION LINE - CONSTRUCTION



- **Stringing – UGL specialised work**
 - Local skilled Linespersons, trades assistants
 - Surface preparation, craneage hire
 - Helicopter services
- **Access roads and tracks - Subcontractors**
 - Surface and pothole maintenance
 - Supply and place water for dust control
 - Environmental and erosion controls
 - Gravel and road base supplies
 - Road plant equipment hire
- **General**
 - Construction water to tower sites
 - Site Safety management support
 - Site Engineering support
 - Site Environmental support



Local Content & Engagement Opportunities

Supporting local jobs



Transmission Line Procurement	Expected RFQ Date	Target Award Date
Camp Supply	Awarded (QCV)	
Light Vehicle Supply	Awarded (Lewis Auto)	
Geotechnical Investigations	Awarded (Construction Sciences)	
Diesel Supply	In Progress	August 2022
Concrete Supply	In Progress	September 2022
Reinforcing Steel Fabrication	In Progress	September 2022
Plant/Equipment	In Progress	October 2022

Local Content & Engagement Opportunities

Supporting local jobs



Transmission Line Procurement	Expected RFQ Date	Target Award Date
Fauna Spotting	In Progress	September 2022
Clearing and Access Roads – Zones 1 & 2	In Progress	September 2022
Clearing and Access Roads – Zones 3	In Progress	September 2022
Foundation Drilling Equipment	In Progress	September 2022
Concrete Forming and Pouring	August 2022	October 2022
Anti Climbing Steelwork	September 2022	November 2022
Clearing and Access Roads – Zones 4 & 5	October 2022	December 2022
Clearing and Access Roads – Zones 6	October 2022	December 2022

Local Content & Engagement Opportunities

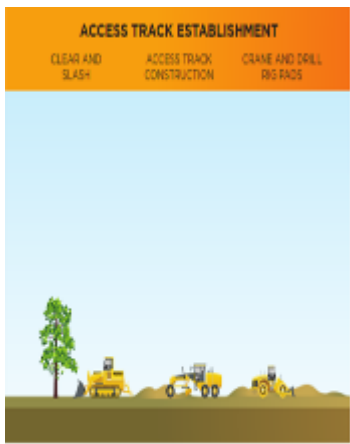
Supporting local jobs



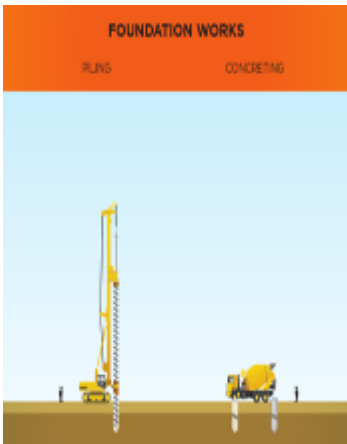
Substation Procurement	Expected RFQ Date	Target Award Date
Substation Structural Steel	Awarded (Townsville Engineering Industries)	
Substation Clearing	Awarded (Townsville Tree Mulching)	
Substation Bulk Earth Works	In Progress	August 2022
Substation Civil Works	In Progress	October 2022
Substation Internal Roads	March 2023	May 2023
Substation Steel Assembly & Erection	January 2023	March 2023

Project Timeline Overview:

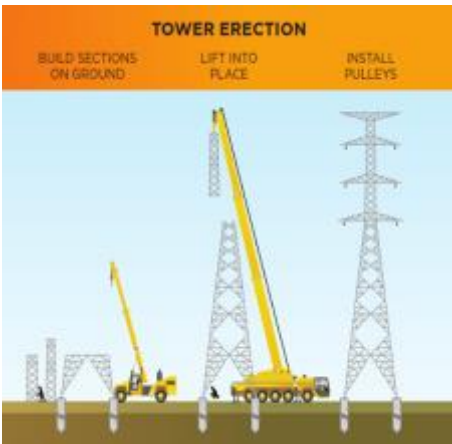
Sept 2022



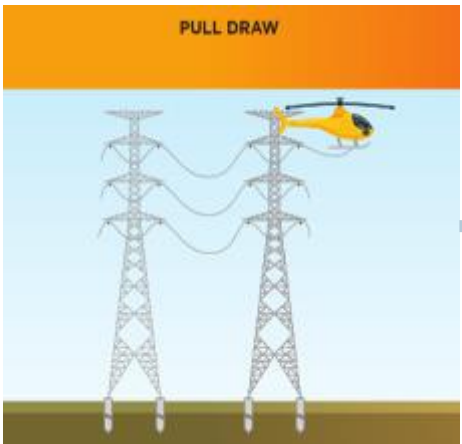
Nov 2022



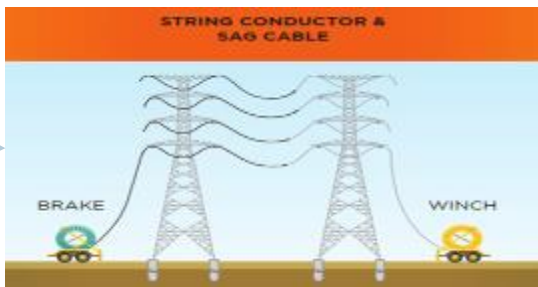
Jan 2023



May 2023



June 2023



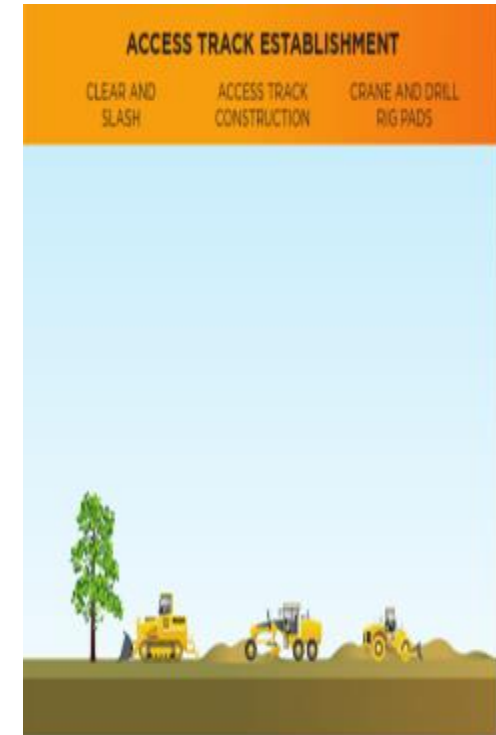
Feb 2024



Local Content & Engagement Opportunities



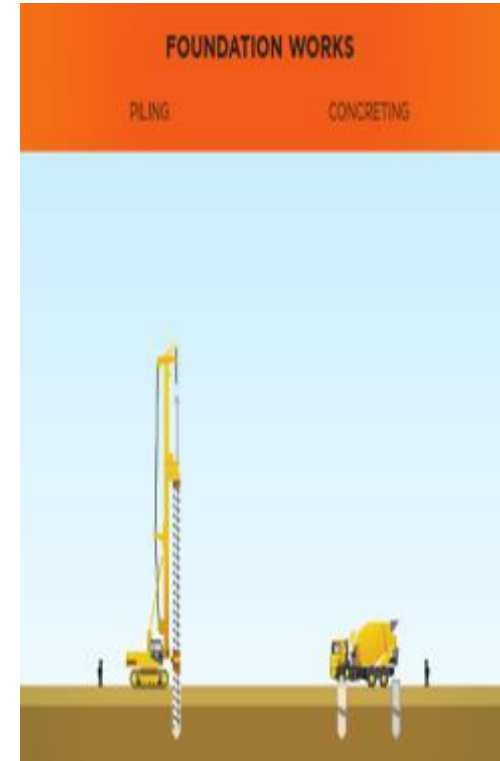
Access/Clearing Packages	Target Commencement Date
Upgrade Existing Access Tracks/Construct New Tracks	September 2022
Easement Clearing	
Hand Clearing	
Creek/River Crossings	
Tower Pad Construction	
Survey Works	
Gates & Fences	



Local Content & Engagement Opportunities



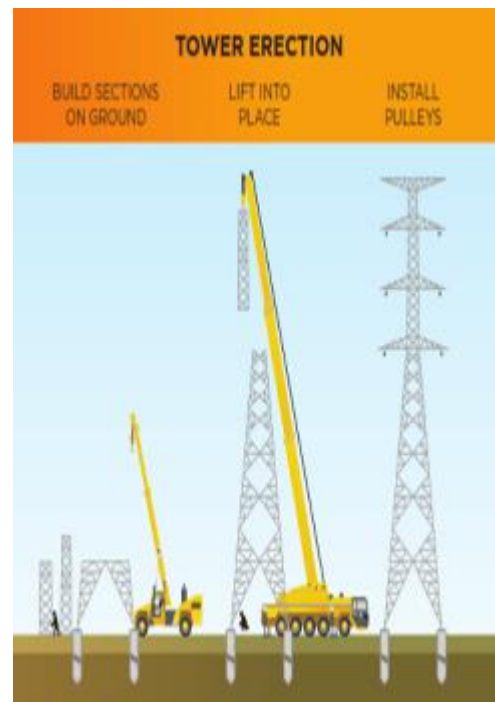
Drilling & Foundations Packages	Target Commencement Date
Drilling Foundations	October 2022
Concrete Supply with batching plants/Agi's	
Form Reo Pour	
Reo Supply/ Cages	
Earthing of towers	
Civil Crane Packages	



Local Content & Engagement Opportunities

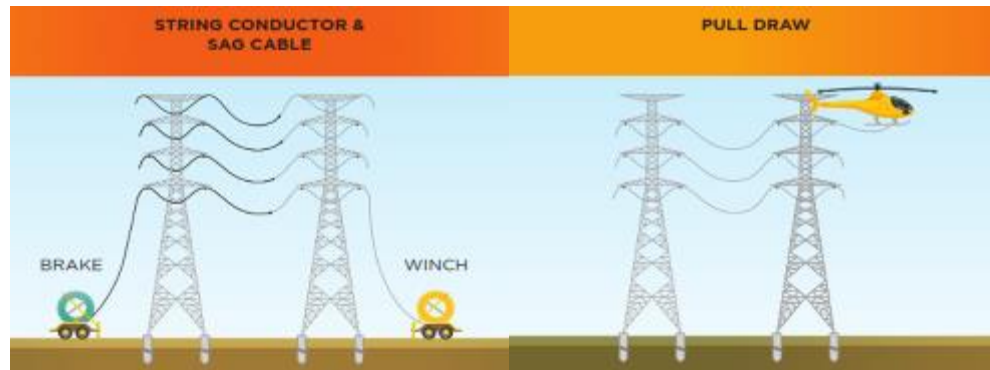


Assembly Erection Towers	Target Commencement Date
Tower Crane Supply	January 2023
Logistics	
Riggers Ass/Erection	
Tower Signage	
Dunnage Supply	
Steel Brackets and Mesch	



Local Content & Engagement Opportunities

Stringing Packages	Target Commencement Date
Hydraulic Repairs	May 2023
Helicopter Services	
Stringing Linesmen	



- Familiarise themselves with the scope of the project
- Gain an understanding of the requirements
- Communicate with the project team, if not already a supplier to either UGL and provide a capability overview and register in the vendor management system for pre-qualification
- Look at opportunities aligned with your business
- Look at opportunities to partner with other businesses to provide a more comprehensive solution
- Become familiar with the UGL standard terms and conditions and an understanding of how to respond to tenders if this is something new or your business hasn't participated in tendering processes previously.

PROCUREMENT PROCESS

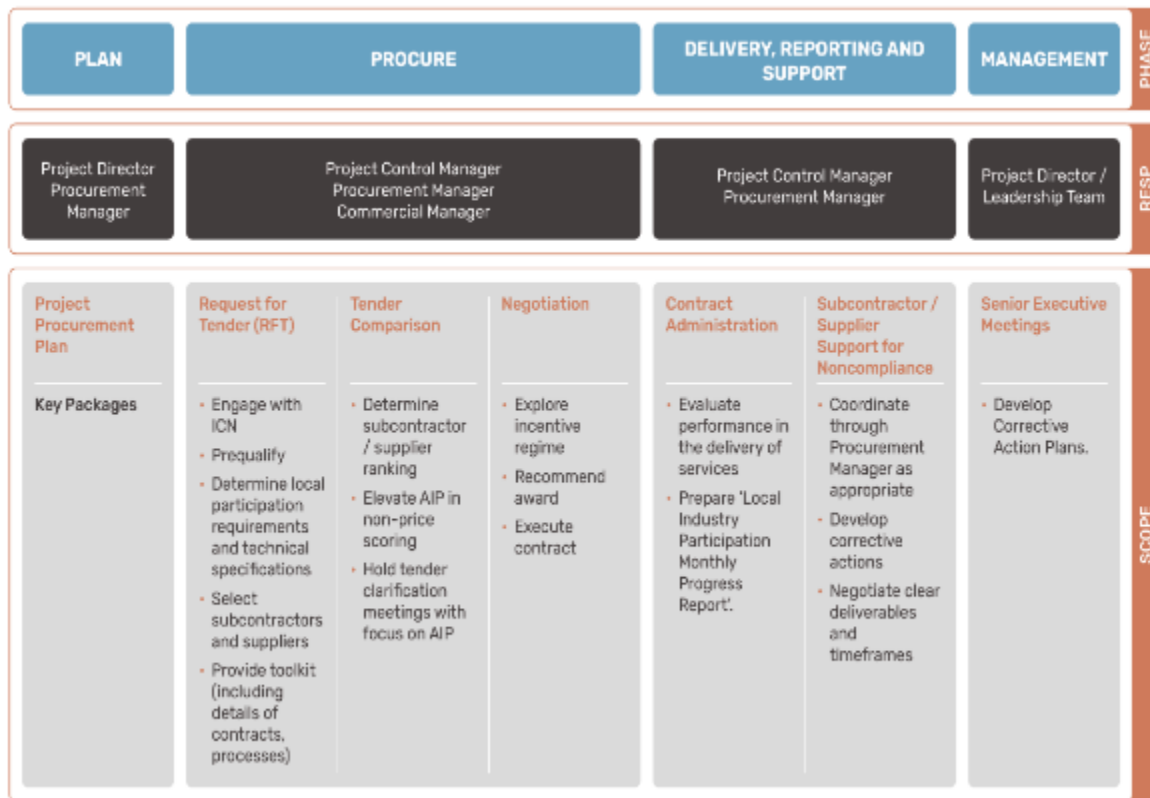


The project will use the vendor management system **Felix** to support the procurement process

What will **Felix** do?

- Support Vendor Management
- Provide an interface with suppliers and manage mandatory prequalification requirements such as:
 - Safety Management
 - Licences
 - Insurances
 - Certifications

Suppliers are invited to register in Felix and be pre-qualified, once qualified they will be invited to tender on appropriate packages of work aligned with their service offering.



- **Register interest**
- **Commence prequalification process**
- **Request further information**

Procurement communications and contact details:

- Greg Edmonds – Procurement Manager
- 0439 509 960
- greg.edmonds@ugllimited.com

The UGL way for Kidston

POWERING VALUE



**Technical
excellence**



**Delivery
precision**



**Local-first
commitment**



Defence Industry Hub Workshops and Events

- Introduction to Defence
- Marketing to Defence (Wednesday 24th August)
- Cyber (for Defence Industry Security Program - DISP)
- Collaborations and Partnerships
- Defence Industry Breakfast – TBA

Defence Industry Hub Contacts

- Amy Lever, Manager, Defence Industry Hub
 - Amy.Lever@dsdilgp.qld.gov.au
- Erin Kiernan, Principal Industry Development Officer
 - Erin.Kiernan@dsdilgp.qld.gov.au

Townsville North Queensland DAMA

This document is compiled by Townsville Enterprise Limited. Every care is taken to ensure that content is current and factual at the time of release. Townsville Enterprise Limited takes no responsibility for errors, changes or omissions.

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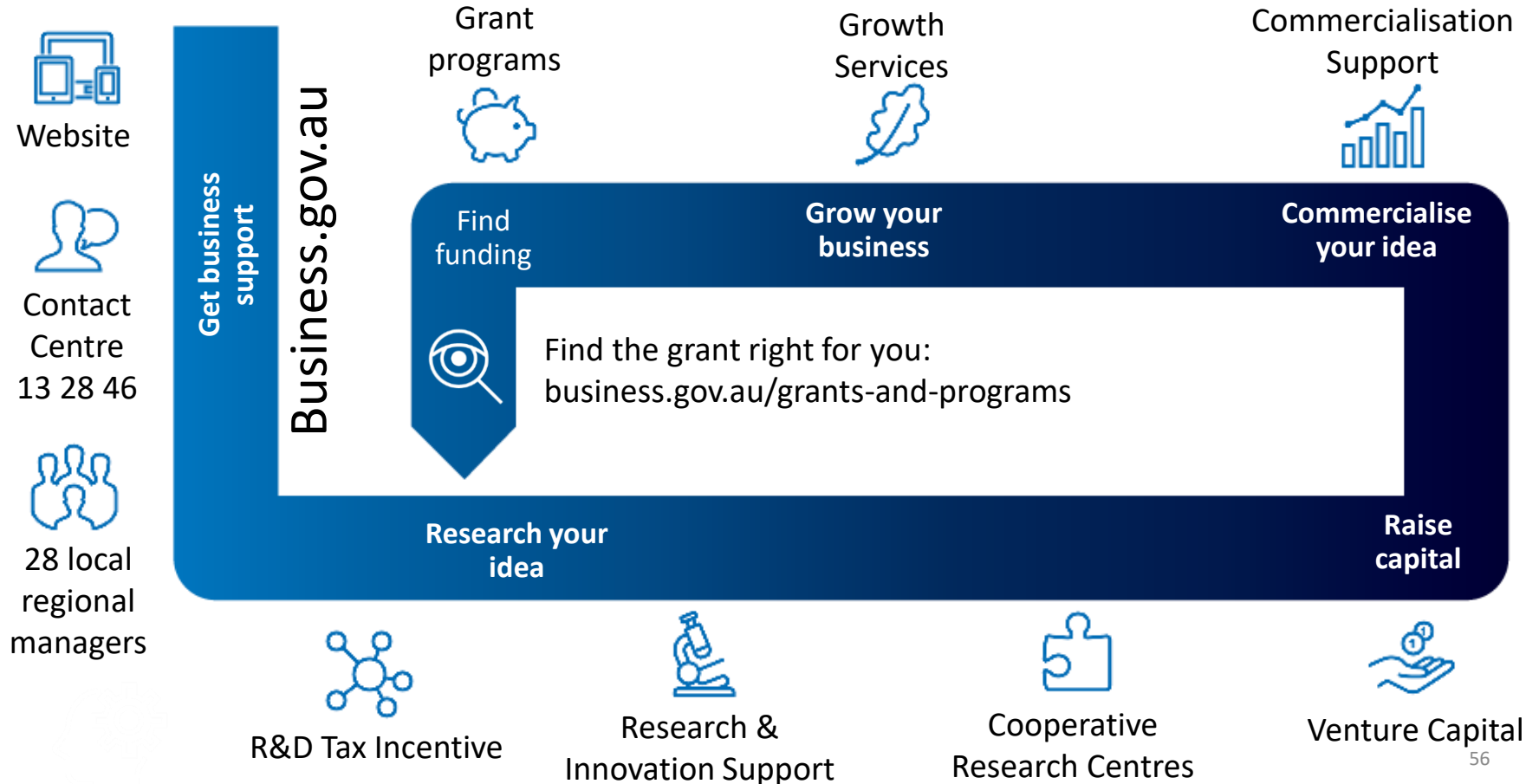


Australian Government

**Department of Industry,
Science and Resources**

AusIndustry

Take your business journey with AusIndustry



Collaborating to support Australian businesses expand

- ❖ Referrals
- ❖ Joint business visits
- ❖ Co-presenting at regional events
- ❖ Sharing business and regional intelligence
- ❖ Delivering targeted projects

Supporting a joined up on the ground government support framework

Supporting SMEs

EP Facilitators and Regional Manager working to recruit businesses to the Entrepreneurs' Programme and other government support

Collaborative stakeholder groups

Regional stakeholder groups help to build connections and gain business intelligence. Participation by EP Facilitators and Regional Managers open conversations about economic development, trade and investment.

Cross-referrals support QLD businesses

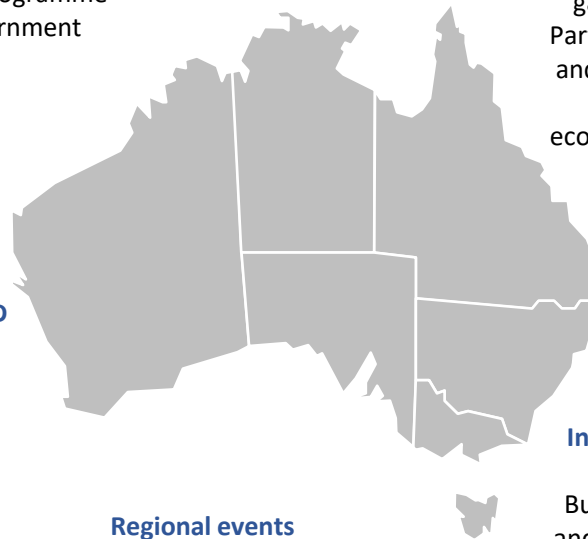
QLD businesses get double the support with their EP facilitators and Regional Manager.

Regional events

Collaborating on & Co-presenting at key regional events throughout Qld creating cross referral and program uptake opportunities

Information & Intelligence Sharing

Businesses have a seamless and streamlined engagement with Government when EP Facilitators and Regional Managers share information and Business Intelligence



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Australian Government

**Department of Industry,
Science and Resources**

AusIndustry

Keep in the loop...

» Follow us on Eventbrite for our events and workshops...



Thank you

Susannah Greenleaf

Acting Regional Director North Queensland

State Development Infrastructure, Local Government & Planning

Contact us:

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GILMOUR SPACE

JAMES GILMOUR, GILMOUR SPACE TECHNOLOGIES

Ambition: An InnovationAus.com documentary



James Riley
Editorial Director
5 August 2022

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It seems like everyone is aware that something interesting is going on at Gilmour Space Technologies' manufacturing facility on the Gold Coast, but until you actually see it, it's hard to get the full picture.

I have been watching the company for a couple of years and have interviewed chief executive officer Adam Gilmour on a semi-regular basis. I have always marveled at his outsized ambition, both for the company and for the space industry in this country.

Recently, I finally got a chance to visit Gilmour Space Technologies and took a film crew led by Jason Reed from [Reel Story](#) with me. We made a mini-documentary, and it's incredible.

Gilmour Space Technologies is in the final stages of preparations of its Eris launch vehicle – its orbital rocket – as it counts down to a launch late this year or early 2023 from an Abbot Point site near Bowen in Queensland.

Eris is a three-stage launch vehicle capable of delivering satellites to low-earth orbit which has been designed and built entirely in Australia, from the proprietary hybrid rocket motors to the system software and avionics.

In this video, you will hear directly from Adam Gilmour about his ambitions for the company and for the space industry.

We also interviewed the Gilmour Space chief of staff Nick Lindsay, a former US Navy aviator and aeronautical engineer, and the Eris program manager David Doyle, a former RAAF fast jet pilot and experimental test pilot.

It is an Australian innovation story that covers all the industry themes we report on, from advanced manufacturing and sovereign capability to software development and STEM education.

Mainly it is about AMBITION. We hope you enjoy this first InnovationAus.com mini-documentary.

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