



Australian Fertilizer
Corporation
FOOD SECURITY

A Queensland Fertiliser Security Project

GLADSTONE, QLD, AUSTRALIA

**Turning abundant stranded carbon
assets into sovereign food security.**

A Queensland Circular Carbon Economy Initiative.

June 2026



WHY AFC MATTERS

AUSTRALIA IMPORTS



100%
SULPHUR

AUSTRALIA IMPORTS
ALL SULPHUR
WE USE



100%
UREA

AUSTRALIA IMPORTS
ALL UREA
WE USE



GLOBAL DISRUPTION. GEOPOLITICAL RISK.
SUPPLY UNCERTAINTY. PRICE VOLATILITY.



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FOOD SECURITY. FUTURE SECURITY.



**DOMESTIC
PRODUCTION =
SUPPLY SECURITY**



REDUCES IMPORT
DEPENDENCE



STRENGTHENS
SUPPLY SECURITY



SUPPORTS
AUSTRALIAN
AGRICULTURE



BUILDS A RESILIENT
& SOVEREIGN
FERTILISER INDUSTRY



AFC IS BUILDING AUSTRALIA'S DOMESTIC FERTILISER CAPABILITY FOR A MORE SECURE, AFFORDABLE AND SUSTAINABLE FUTURE.



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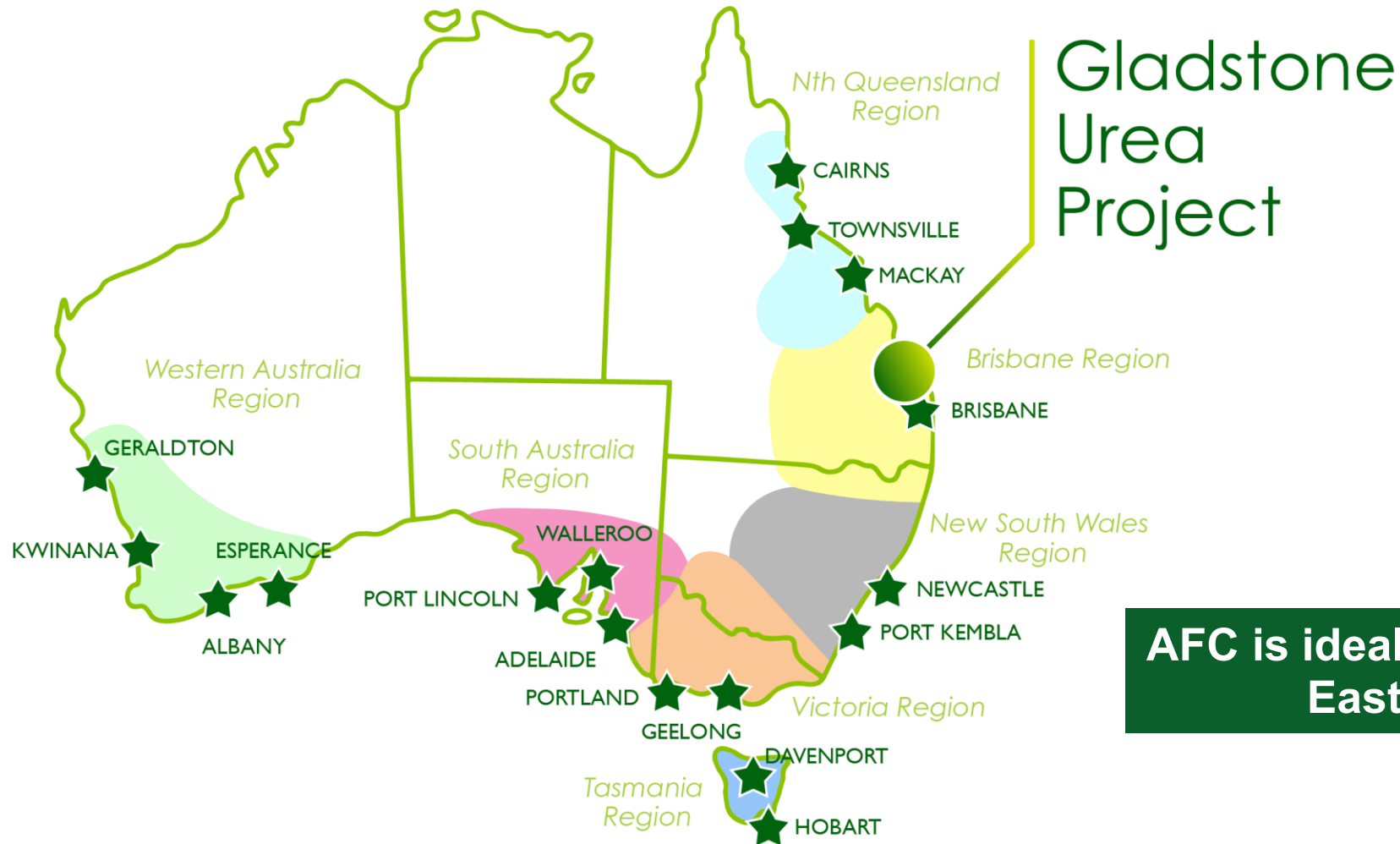
Turning abundant stranded carbon assets into food security

A Queensland Circular Carbon Economy Initiative



**Queensland exports raw resources,
but imports the nutrients required to grow food.**

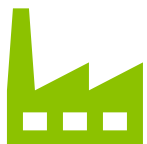
Australian Fertiliser Regions



AFC is ideally positioned to service East Coast Australia

Queensland has everything required to produce fertiliser ... except fertiliser production.

- ✓ Port of Gladstone
- ✓ Existing State Development industrial precinct
- ✓ Road & Rail infrastructure
- ✓ Skilled workforce
- ✓ Agricultural demand
- ✓ Abundant Stranded Carbon resources



Proven Technology

Proven at scale with 13 commercial installations operating at 6 locations in North America and China.



Established Infrastructure Domestic Demand

100% domestic demand for Urea across Queensland and New South Wales; Deep water harbour & rail at Port of Gladstone, QLD.



Low Operating Costs

Operating costs at the lower end of the lowest first-quartile global Urea producers.



High Efficiency Carbon Management

CO₂ capture & utilisation integrated into production.



Feedstock Flexibility

Abundant underutilised mineral processing by-products, end-of-life tyres, municipal carbon resource streams and biomass. No reliance on natural gas feedstocks.

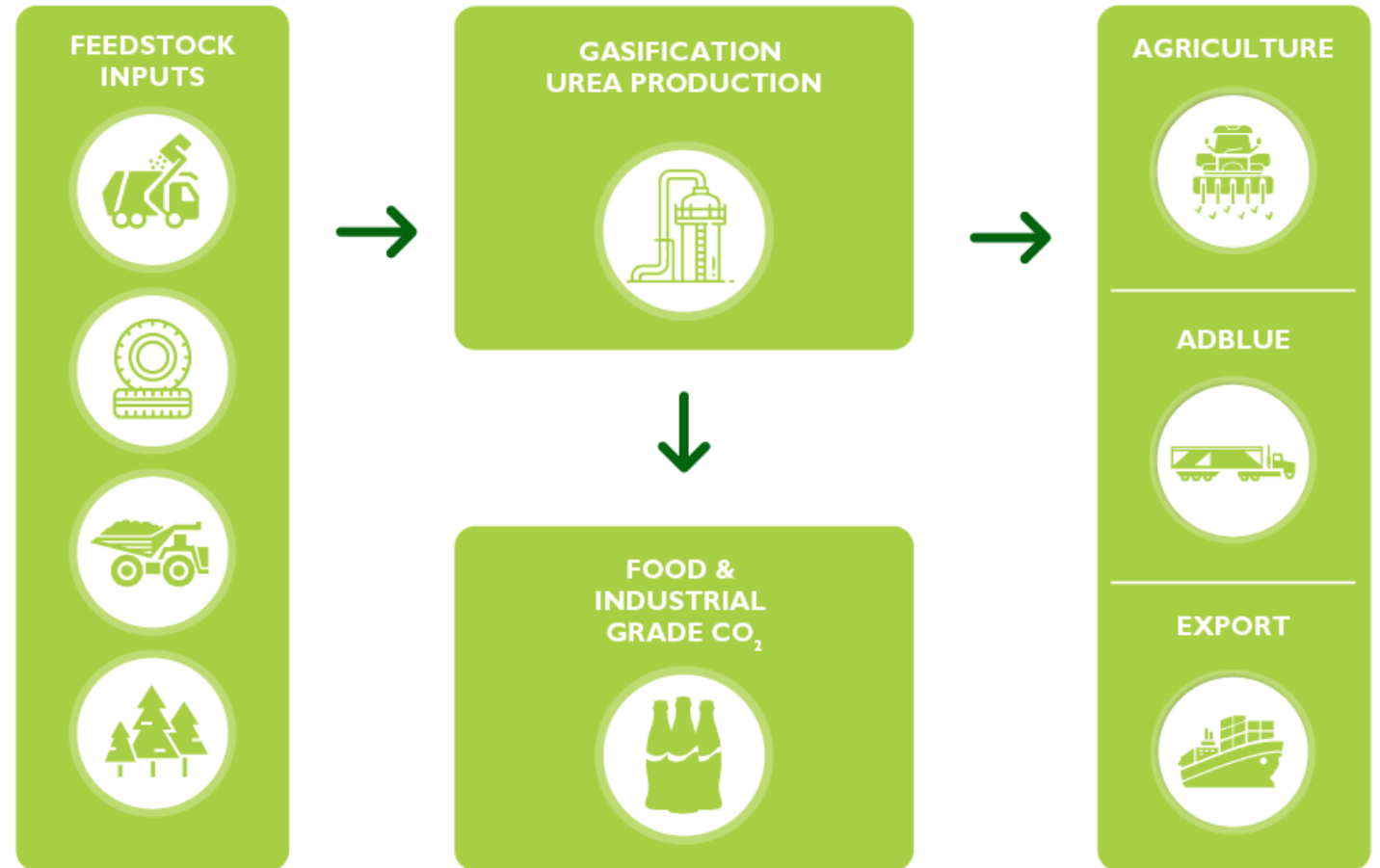
The AFC Process

AFC utilises GTI Energy's U-GAS® technology to enable large-scale production of nitrogen fertilisers from carbon-based feedstocks.

The technology is highly efficient, converting a wide range of feedstocks into clean synthesis gas for ammonia and urea production.

More than 25 feedstocks have been successfully tested globally, including plastics, end-of-life tyres, under-utilised mineral processing by-products, municipal carbon resource and biomass streams.

U-GAS® has been commercially deployed and operated for more than 30 years across multiple international facilities.



EXECUTIVE SUMMARY



Proposed facility

220,000 tonnes pa of granular Urea

~ 265,000 tonnes pa of abundant carbon resource streams utilised

~ 165,000 tonnes pa of CO₂ consumed

100% off-take agreements secured, 10 +10 years

800
construction jobs

50
full time jobs

AdBlue capable for reduced vehicular emissions

A Queensland industrial platform built around feedstock flexibility and domestic offtake.

Existing Domestic Queensland &
New South Wales Demand

Risk mitigation

- ✓ existing infrastructure
- ✓ existing domestic demand
- ✓ 10 + 10-year 100% offtake agreements secured
- ✓ 30+ year proven technology; 13 operating plants
- ✓ abundant stranded Carbon feedstocks
- ✓ 25+ feedstocks tested and proven
- ✓ experienced Team and construction partners



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Thank you.

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