

Pioneering Australia's Renewable Fuels industry

Fuelling a better future.

Renewable Diesel Sustainable Aviation Fuel Green Hydrogen

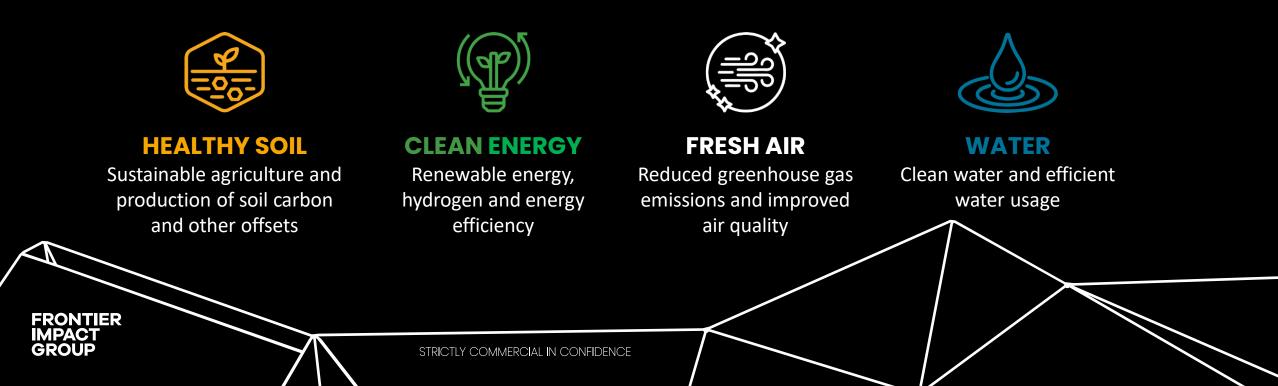


About Frontier Impact Group



Frontier Impact Group is a climate-solutions advisory and project development firm, deploying specialist expertise at scale to drive financially viable, planet-friendly solutions and accelerate the global race to Net Zero.

We work to ensure the technical, financial, social and environmental success of projects that have impacts on the four pillars for a sustainable environment.



Initial projects



We have committed to two projects with other in Austalia and overseas in the pipeline.

STRICTLY COMMERCIAL IN CONFIDENCE

Narrogin Future Energy Park

- JV Frontier Impact Group annd Carnarvon Energy in the State of Western Australia only.
- On completion will produce 18 Million litres of renewable fuel and 8,000 tonnes of biochar annually
- Successful for \$6,700,000 in grant funding from WA government

Mildura Renewable Energy Park

FRONTIER

- Development of Australia's second project has commenced
- Renuleum were successful in a \$235,000 grant from Sustainability Victoria

Economic growth - In WA alone our pipeline of projects have the potential to deliver over \$20 billion GDP over the life of the projects (Independent ACIL Allen Economic Report)

The First Circular Economy renewable diesel production model

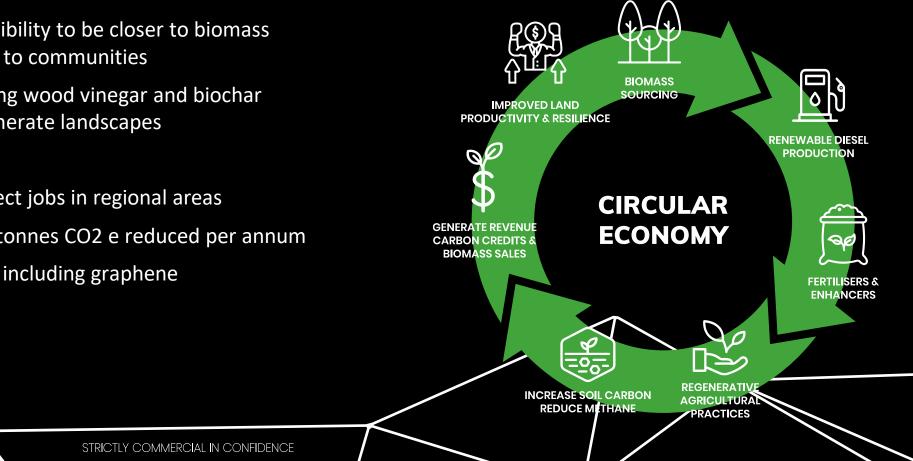
ENVIRONMENTAL & COMMUNITY BENEFIT

- Modular basis provides flexibility to be closer to biomass ٠ source and add more value to communities
- Project co-products including wood vinegar and biochar ٠ reduce emissions and regenerate landscapes
- Australian Pipeline \bullet

ERONTIER

MPACT

- 5,000 direct and indirect jobs in regional areas \bullet
- 1 billion litres = 4.7M tonnes CO2 e reduced per annum \bullet
- Downstream opportunities including graphene \bullet



RENULEUM

Project Development Overview

PROJECT MANAGEMENT

FEEDSTOCK

Composition, processing and logistics

TECHNOLOGY

Best match for feedstock based on yield and economics

SITE

Detailed evaluation matrix

PROJECT SCALE

Optimal risk-adjusted sizing

BUSINESS STRUCTURE

PROJECT DEVELOPMENT FUNDING

Investment and grants

STAKEHOLDER MANAGEMENT

Community, government, advocacy and marketing

FINANCIAL MODELLING

 Undertaken using bespoke financial model with sensitivity analysis

SALES AGREEMENTS

Biofuel, biochar, wood vinegar and others

PERMITTING

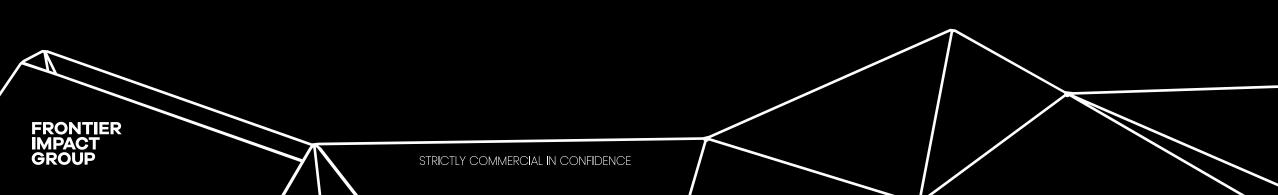
 GHG emissions, EPA, LCA, Government planning approvals, output certifications

RISK

Risk management and mitigation

INVESTMENT

Grants, debt, equity, R&D

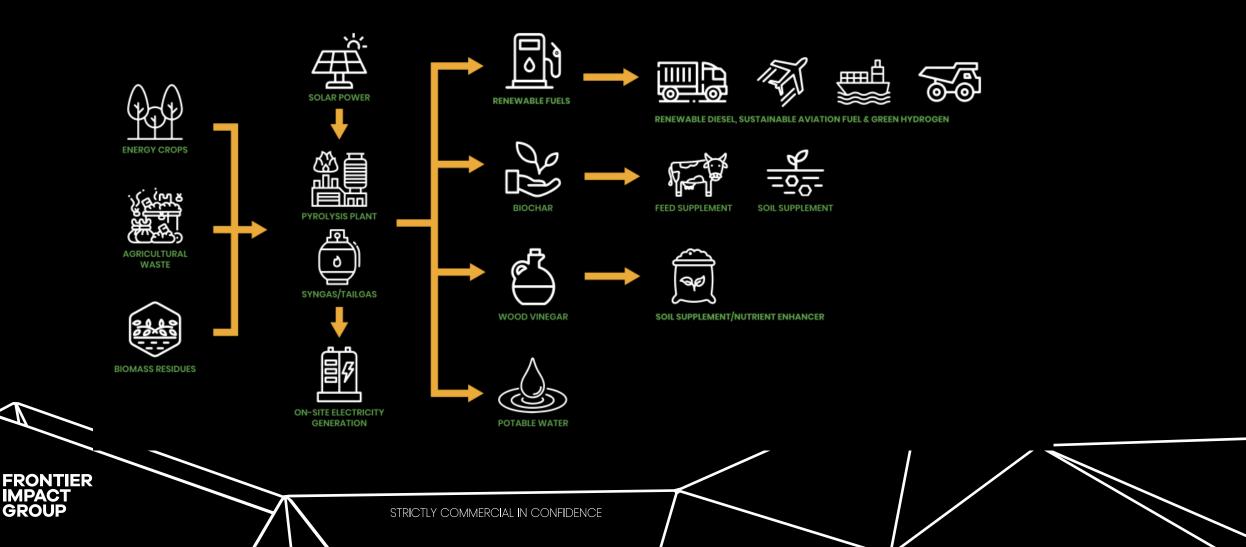


How does it work?



RENULEUM BIOREFINERY PROCESS

Converts waste & biomass into high quality renewable diesel, SAF and hydrogen



Biochar

A valuable graphene-rich biochar as a process by-product

CARBON SOIL ENHANCER

Proven to increase carbon in the soil (Improves microbes)

METALLURGICAL CHARCOAL

Proven market to clean up contaminants from mining

WATER FILTRATION Proven market in deactivated carbon

WATER RETENTION

Research demonstrates water better retained. Helps resilience to droughts & reduce cost of water



ANIMAL FEED

Improves the nutritional value of fodder and improves the health of the animal

MATERIAL STRENGTHENING

Increases strength of concrete and asphalt when added

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Graphene

Good quality feedstock will produce high levels of graphene in biochar

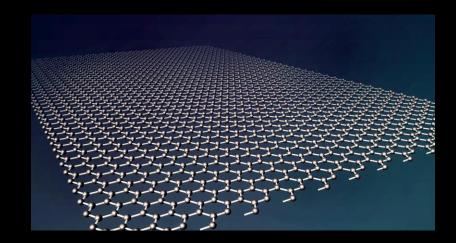
PROPERTIES

FRONTIER IMPACT GROUP

- Harder than diamond
- 20x more thermally conductive than copper
- 100x stronger than steel
- 1000x more electrically conductive than copper
- Corrosion resistant
- Lighter than paper

APPLICATIONS

- High-strength building materials
- Batteries
- Electronics
- Road surfaces
- Defense



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Find out more





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