

# MIRRECO

Mirreco Holdings Pty Ltd ACN 625 415 509 is an Australian company incorporated on 05 April 2018.

We have identified several opportunities that can be successfully commercialised from the emerging hemp industry. Most importantly, our innovative technologies use hemp biomass to permanently store carbon dioxide above ground in an efficient and very cost-effective manner.

We are a Council Member of the Australian Sustainable Built Environment Council (ASBEC), and were runner-up in the prestigious 2017 Australian National Sustainability Awards.

## Obstacles to Growth in Hemp Industry

Processing hemp and building housing and commercial structures in the traditional manner is slow, expensive and inefficient.

## Mirreco Solutions

- **Processing Machines** - We have designed a specialised machine that can process the hemp plant into items such as oils and biomass and eliminate the time needed for 'retting' (the process of separating hemp fibre from the stem of the plant which can take several weeks). The company intends to manufacture, sell and/or own and operate a fleet of mobile machines to process hemp onsite at relevant farming locations, creating a number of employment opportunities
- **Building Panels** - We can manufacture building panels for residential housing and commercial structures using hemp biomass that are structurally sound easy to produce and provide superior thermal performance. Other features include:
  - Manufacturing - The traditional method of processing and curing hemp for building purposes can be reduced from approximately 4-5 weeks to less than an hour using our innovative new process.
  - Above Ground Carbon Capture - Our building panels can permanently store large volumes of CO<sub>2</sub> produced at industrial sites which would otherwise be expelled into the atmosphere or transported via costly infrastructure to vast underground reservoirs. We can also produce numerous other products that store CO<sub>2</sub> including noise suppression walls and roadside barriers.
  - Power Generation - Our panels can be integrated with windows developed by ClearVue Technologies that convert light into electricity.

## Objectives – The next 12 months

- Build a preproduction prototype processing machine which will be used at trade shows to demonstrate the company's capabilities within the agricultural sector.
- Build a preproduction prototype mini-smart home that includes innovative technologies and appliances from our strategic partners. This house will be used to demonstrate our capabilities within the housing sector with a view to securing contracts to supply panels to builders and construction firms.
- Set up mobile fleet of processing machines for demonstration, sale and operations.
- Set up central manufacturing facilities in selected WA areas before reviewing options to expand nationally.

- Expand the company's management, engineering, support and administration teams.
- Build awareness of hemp within the wider community and secure further agreements from farmers for the supply of hemp.
- Continue further research and development of hemp products and business consulting services.



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## Management

Mirreco has a talented executive and management team who have the skills and experience required to commercialise this venture.

The team has already provided a significant amount of time and effort toward this goal, and is committed to making a difference to our community.

## Contact:

E: [info@mirreco.com](mailto:info@mirreco.com)  
W: [www.mirreco.com](http://www.mirreco.com)