



MCI CARBON

Transforming Industrial CO₂ into Valuable Materials

MCI Carbon is pioneering an innovative approach to carbon capture and utilisation (CCU), transforming industrial CO₂ emissions into valuable materials through mineral carbonation. Their groundbreaking technology offers a sustainable solution for hard-to-abate sectors, contributing to global decarbonisation efforts

PARTNERSHIP CAPABILITIES

- Integration of CCU technology with industrial emitters
- Conversion of captured CO₂ into stable carbonates
- Utilisation of industrial waste streams for circular processes
- Scalable model for global deployment
- Collaborative research and development

PROVEN IMPACT

- Research Pilot Plant operating at Newcastle Institute of Energy and Resources since 2016
- Secured over \$40m AUD in Australian Government funding
- Attracted over \$50m AUD in global private investment
- 15+ years of mineral carbonation R&D and climate advocacy
- Recognition at COP26 and multiple sustainability awards
- Engagement with NSW Government and international trade bodies
- Commissioning of Myrtle demonstration plant on Kooragang Island

MYRTLE DEMONSTRATION PLANT: BLUEPRINT FOR GLOBAL CCU DEPLOYMENT

MCI Carbon's Myrtle demonstration plant on Kooragang Island represents a significant milestone in CCU technology. With construction complete and commissioning underway, this facility will soon be operating customer campaigns, converting captured CO₂ into low-carbon products. Myrtle serves as a blueprint for future commercial plants, showcasing MCI's ability to integrate with industrial processes, create valuable materials from emissions, and contribute to circular economy solutions. This project exemplifies MCI's potential to revolutionise industrial decarbonisation on a global scale.



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