



COMPANY BACKGROUND

“The first commercial validation of an Australian-made green industrial fuel at scale”

SuperChar Limited (SCL) is an Australian biofuels company turning fast-growing Bana Grass into plant-based replacements for coal and charcoal. After extensive research and testing, SCL has proven that Bana Grass (a hybrid of *Pennisetum Purpureum* and *Pennisetum Americanum*) is the optimum biomass feedstock for producing sustainable green charcoal, green coal and other renewable energy commodities.

SCL is first to market, with no technology risk. Its processing plants use the proven SIMEC pyrolysis system, and SCL has developed its own patented products and agricultural techniques that allow for rapid start-up. 100% of SCL production is immediately saleable across domestic and export markets.

The Gladstone Project

SCL is developing a pioneering biomass-to-energy project in the Gladstone Region, Central Queensland. Bana Grass grown on SCL-secured plantation land is processed onsite in modular, fully automated plants. The plants are sealed units with no toxic emissions - the gases produced are consumed in integrated gas turbines which generate all power required for the plant, with no connection to the electricity grid and no solid or liquid waste streams. First production is targeted for early 2028.

Rio Tinto Aluminium Supply Agreement

In July 2026 SCL signed a five-year supply agreement with Rio Tinto Aluminium to supply bio-pellets as a fossil fuel replacement in the power generation process at the Yarwun and QAL alumina facilities at Gladstone. Initial supply of 35,000 tonnes per annum can increase to 400,000 tonnes per annum under the Agreement.

“That 35,000 tonnes, as we burn it, will reduce our carbon emissions by 90,000 tonnes per annum.” - Tim McDougall, GM Bauxite & Alumina, Rio Tinto

Products

- Bio-pellets (bio-coal) for industrial energy
- Bio-briquettes (bio-charcoal) for domestic and export markets
- High-protein animal feed pellets
- Bio-char for the fertiliser, cosmetics and pharmaceuticals industries

Fast Facts

Company	SuperChar Limited (SCL)
Sector	Plant-based biofuels
Project	Gladstone Region, Central Queensland
Technology	SIMEC continuous pyrolysis - self-powered, sealed, zero waste streams
Offtake partner	Rio Tinto Aluminium - five-year supply agreement (July 2026)
Initial supply	35,000 tonnes per annum, scalable to 400,000 tonnes per annum
First production	Early 2028
Website	www.superchar.com.au