



Future Battery Industry Strategy Western Australia

In early 2019, the Western Australian State Government launched the Future Battery Industry Strategy to drive and support the growth in Western Australia of a world-leading, sustainable, value-adding future battery industry that provides local jobs, contributes to skill development and economic diversification, and benefits regional communities.

The *Future Battery Industry Strategy* provides a framework with consistent, clear and coordinated actions to ensure the Western Australian State Government is leading the nation's growth in the uptake of opportunities across the global battery value chain. Western Australia has a number of competitive advantages that position the State favourably in the global battery value chain:



Western Australia has among the largest reserves in the world for all the battery minerals used in the manufacturing of rechargeable batteries, such as lithium, nickel, cobalt, manganese, aluminium and vanadium.

Western Australia also produces non-battery minerals used in the manufacturing of electric vehicles and energy storage systems, such as rare earth elements that are necessary for the production of electric motors.



Western Australia has industry-leading value-adding expertise. It is transforming a growing share of its battery minerals into higher value products. The State has a strong track record and expertise in processing and manufacturing activities for the mining, processing and building industries.

Western Australia can build on this strong industrial base to attract more investment into diversifying the State's mineral production and increasing the scale of domestic processing and manufacturing activities.



Western Australia has best practice environmental and ethical standards. It is well placed to respond to consumers' sustainability concerns, which have led electric vehicle and battery manufacturers to pay increasing attention to environmental and ethical considerations in their supply chains.

The State's comprehensive, transparent and well-practiced project approval system guarantees strong environmental and social standards, which sets Western Australia apart from its competitors in the battery space.



Western Australia has world-class industrial and export infrastructure. It offers project-ready strategic industrial areas that can facilitate the co-location of battery-related projects and the creation of industry-driven industrial hubs. Proximity to export infrastructure, suppliers, pools of skilled workers and research centres strengthen the attractiveness of these hubs.



Western Australia has globally recognised expertise and research capacity in mining and mineral processing. Its mining industry is a world leader in the development and adoption of innovative technologies and cooperates closely with universities and both the State and Federal Governments.

The Future Battery Industries Cooperative Research Centre (FBICRC) is being established in Perth, Western Australia, acknowledging the State as a global leader in the production and export of future battery materials, technologies and expertise.

The FBICRC will provide industry-led research capability to grow Australia's competitiveness and contribution to the battery value chain.

Western Australia has among the largest reserves in the world of all the battery minerals used in the production of cathodes.

Several committed and proposed mineral processing projects are transforming these minerals into battery-grade materials, such as lithium hydroxide and nickel sulphate, suitable for use in cathode manufacturing activities.

Diversifying the type of battery minerals extracted and processed in the State will allow Western Australia to move toward more added value manufacturing activities. By facilitating diversification of battery minerals processing, the Government will set the platform for further investment in the manufacturing of battery components, such as cathodes.

Through the *Future Battery Industry Strategy*, we will continue to **promote Western Australia as a prime destination for investment** in the battery value chain and **facilitate the establishment of new future battery projects** in Western Australia. We will continue to **support research into future battery materials and technologies** and will **explore opportunities associated with the uptake of batteries in Western Australia and globally.**