

Queensland. Australia.

RENEWABLE READY, *Right Now*

CLEAN ENERGY OPPORTUNITY

INVESTMENT PROSPECTUS



IT'S AN EXCITING TIME *to be in Queensland.*

If you need clean energy to power what you do, Queensland's the place to get it.

Queensland's combination of significant renewable resources – we have over 300 days of sunshine each year, an abundance of new economy minerals, world class ports, long-standing trading partnerships, our proximity to Asian markets, and a government ready to work with you to seize this opportunity, all position Queensland to play a significant role in the world's future need for renewable energy powered supply chains.

Queensland is investing heavily in renewable energy and has committed to achieving zero net emissions by 2050. Already a number of projects across the state are providing more renewable energy into the grid, helping create jobs and add more opportunities to the state's economy.

Because of this investment, Queensland is becoming a destination of choice for manufacturers and project proponents who want to decarbonise their supply chains and draw on renewable energy to fuel their work.

With an ambitious agenda for growing more jobs in more industries, the Queensland Government is working to facilitate investment that will ensure the state seizes its opportunity to become a renewable energy superpower.



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QUEENSLAND'S CLEAN ECONOMY

The Queensland Government is committed to achieving a target of 50 per cent renewable energy by 2030, and zero net emissions by 2050 to grow more jobs in more industries powered by cheaper cleaner energy.



FOREWORD

Queensland has a long history of converting our natural advantages to economic advantage.

That advantage – like sunshine – spills into every region, every community, every day through jobs. It’s our history of mining in Mount Isa and Moranbah; tourism on the Gold Coast and in Winton; agriculture in Central Queensland and Cape York. It’s using the deep water of our ports to build strong industrial hubs that are amongst the best multi-commodity ports in the country.

We define ourselves by the opportunities we create for Queensland; not by the ones we ignore. Right now, that opportunity is also open to you. Queensland has the foundations in place to leverage our traditional strengths and build a state that will drive and support the global demand for renewable energy.

Our natural resources, highly skilled workforce and pro-business approach have

driven our economy as the fastest growing in Australia. We are committed to forging partnerships with business to deliver a future green industry for Queensland as part of global commitments to net zero carbon emissions by 2050. All of this combined with our investment in solar, wind and hydrogen capacity means we are fast becoming the nation’s renewable powerhouse.

The world of 2032 – the world that celebrates the climate positive Brisbane 2032 Olympics - will be one that has undertaken a fundamental rethink of how it feeds and cares for its people, ensures security for all, and uses energy and fuel to power its work. Queensland is the place to get in on the ground floor of that transformation.

Queensland is renewable ready right now, are you?



Annastacia Palaszczuk MP

Queensland Premier and Minister for the Olympics



Steven Miles MP

Queensland Deputy Premier and Minister for State Development, Infrastructure, Local Government and Planning and Minister Assisting the Premier on Olympics Infrastructure



Cameron Dick MP

Queensland Treasurer and Minister for Trade and Investment



QUEENSLAND'S RENEWABLE FOCUS

The Queensland Government is committed to the pursuit of renewable energy opportunities to drive a greener footprint for business, new jobs and more value for Queensland.

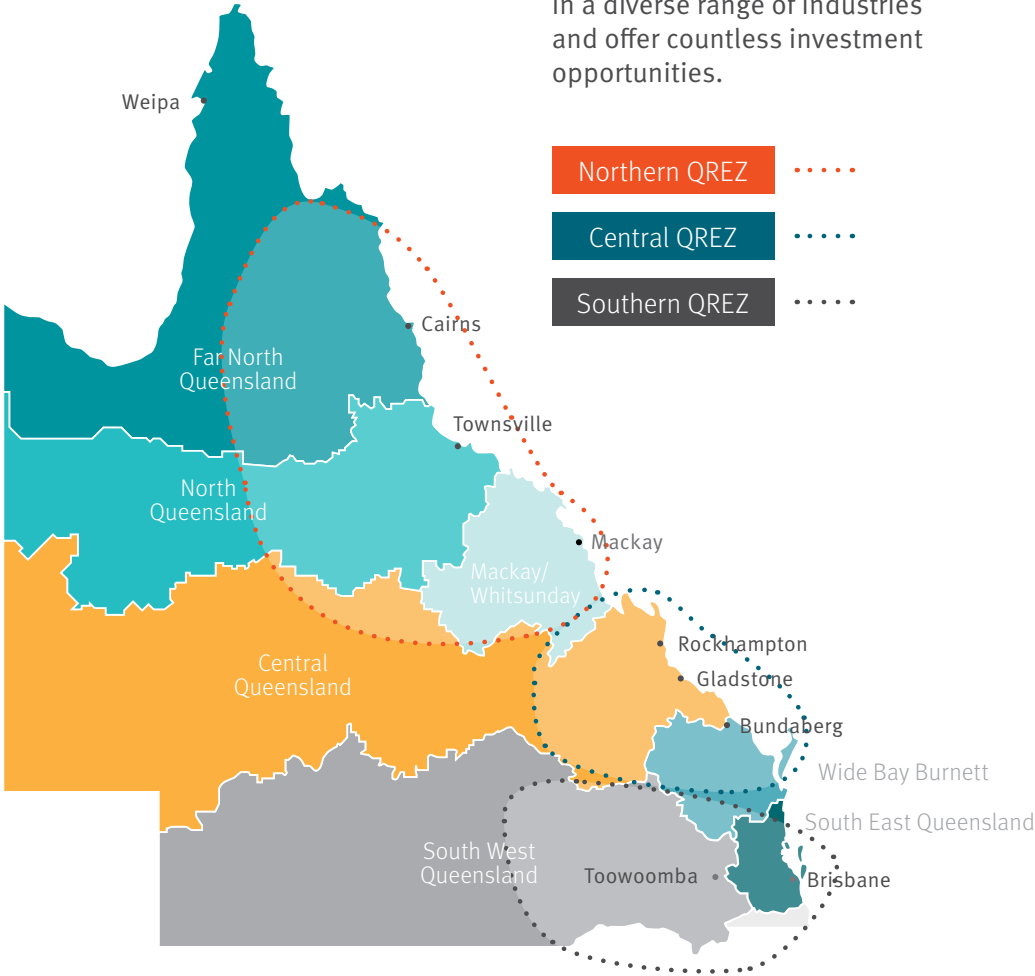
QUEENSLAND'S OPPORTUNITY

- › Offering the right combination of people, place and power for investors and business looking to use clean energy to create their futures and the jobs that come with it.
- › Providing hubs for major businesses to develop renewable energy technology.
- › Partnering with existing and future industry to deliver cleaner manufacturing.
- › Attracting global investment in green energy power and projects to deliver commercially successful renewable technology to the world.
- › Investing in training to ensure Queenslanders can be a part of the workforce necessary to support the renewable industry.
- › Ensuring Queensland captures more value from the renewables production, new economy minerals development and manufacturing supply chain.



QUEENSLAND RENEWABLE ENERGY ZONES

Queensland's regions specialise in a diverse range of industries and offer countless investment opportunities.



AUD\$2 billion
Queensland
Renewable
Energy and
Hydrogen
Jobs Fund



More than 40
large-scale
renewable
energy
projects



More than 6,000MW
of renewable
energy
capacity



More than 20%
of electricity
produced
from
renewable
resources

WHY RENEWABLES IN QUEENSLAND, AUSTRALIA



There is **strong and sustained investment** in renewable energy provision, and significant deposits of key new economy minerals to drive further renewable energy industry.



Queensland is the **lifestyle capital of Australia**, and as **home to the Brisbane 2032 Olympic and Paralympic Games** is facing a golden decade of prosperity in the lead up to the Games.



Significant infrastructure planning is underway, including further focus in realising **our future as a renewable energy superpower** and a world-class green metals and minerals producer.



Expertise in key functions like advanced manufacturing and mining equipment, technology and services—Central Queensland is the “**silicon valley**” of mining and engineering technical services, where locals are developing **world leading expertise** in how to decarbonise supply chains.



Queensland’s fair wages, high safety standards, and just dealings with Traditional Owners are an **advantage** in an ESG conscious world.



Queensland is well placed to both **attract** ethical investment and **supply** ethically sourced resources to the world.



We have **world class ports** and export infrastructure, as Australia’s gateway to key trading partners.

SPACE TO GROW

Queensland has space to invest and grow with a total land size of **1,729,742 square kilometres**.

QUEENSLAND 1,729,742 km²

France 632,734 km²

Spain 505,990 km²

Sweden 450,295 km²

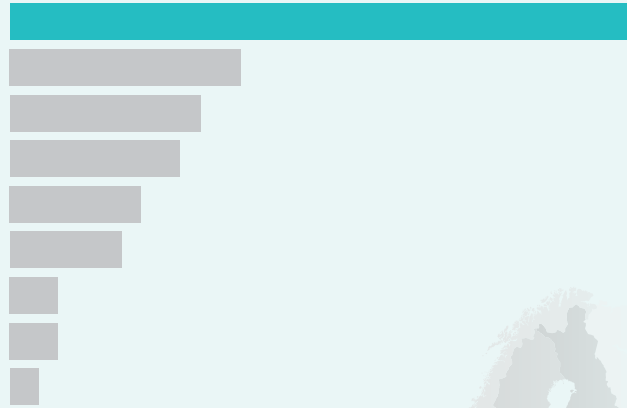
Germany 357,386 km²

Italy 301,340 km²

Greece 131,957 km²

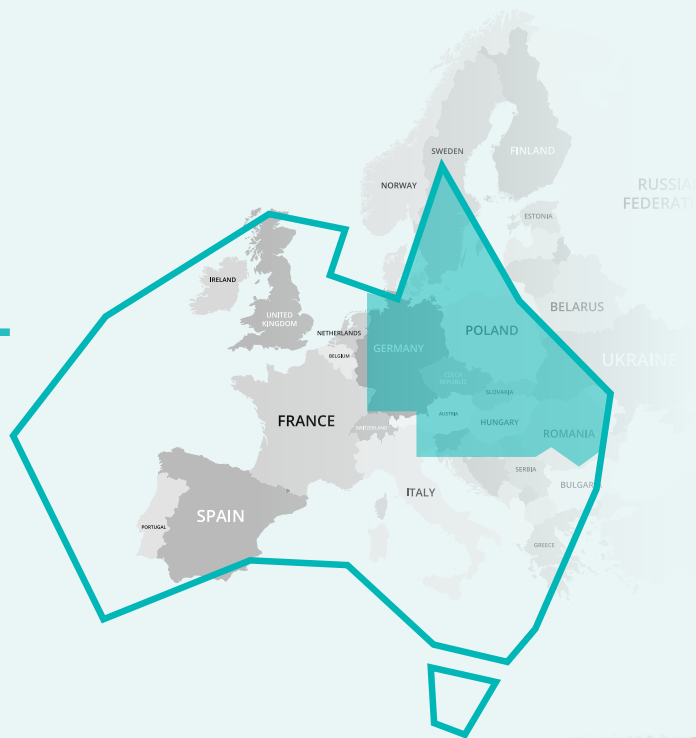
England 130,279 km²

Ireland 84,421 km²



LAND SIZE

Queensland/Australia land size comparison with Europe.





QUEENSLAND SNAPSHOT

QUEENSLAND'S KEY ADVANTAGES

A GROWING AND RESILIENT ECONOMY

Investing in Queensland means choosing a highly stable environment that has enjoyed economic growth exceeding the national average for the past two decades.

- › **Higher** annual growth rate than the rest of Australia
- › **AA+ / Aa1 / AA** credit rating and AA ESG rating
- › **Diversified** industries, with no sector accounting for more than 12 per cent of the economy
- › Exports to almost **200 countries**

A SKILLED WORKFORCE AND INNOVATIVE CULTURE

Investing in Queensland means choosing a forward-thinking workforce that's highly educated, multicultural and growing each year.

- › “Knowledge corridor” with **dozens** of innovation-led businesses and institutes
- › **12** research-focused universities, with 4 in the world's top 250
- › **Regional clusters** of exceptional talent in areas like marine industries, defence, and clean agriculture
- › More than AUD**\$1 billion for training** and skills in 2020



Image: Ross River solar farm, Townsville

SOPHISTICATED INFRASTRUCTURE

Investing in Queensland means choosing developed capabilities and a reliable supply chain – with quality infrastructure to move people, products and data efficiently.

- › **Fastest** telecommunications network to Asia
- › **3** Cyber Security Innovation Nodes, providing advanced cybersecurity
- › **6** major international airports and over **190** regional airports
- › **15** sea ports – including the Port of Brisbane, which handles AUD\$50 billion in trade

SIGNIFICANT RESOURCES

Investing in Queensland means choosing limitless potential – thanks to abundant natural resources that are unlike anywhere else in the world.

- › **152 million** hectares of land dedicated to primary industries
- › An average of **300 days** of sunshine a year
- › **AUD\$61 million** investment over four years to ensure Queensland's natural land and water resources are sustainably managed
- › **Varied** subtropical climate

CLEAN ENERGY OPPORTUNITIES AND INVESTMENTS



THE QUEENSLAND JOBS FUND

The Queensland Government has established a AUD\$3.34 billion jobs fund. The Queensland Jobs Fund brings together the Queensland Government's current flagship industry development programs to boost the state's industry footprint, create jobs and strengthen Queensland's economy.

Through the Queensland Jobs Fund, companies with projects that have the potential to deliver ongoing economic benefits can seek government support to overcome barriers and realise opportunities.

INVESTED IN QUEENSLAND

The Invested in Queensland program is an initiative under the Queensland Jobs Fund. Through the program, Queensland Treasury is engaging with industry on high impact projects to create jobs now and into the future. We are working with qualified investors, primarily medium-sized and large organisations, on significant projects that align with the government's priorities.

We have two incentive schemes for projects that result in significant economic benefits for Queensland.

We also offer a range of non-financial investment facilitation support mechanisms to assist proponents. Support can accelerate project delivery and increase the likelihood of success for projects that demonstrate a strong potential for delivery.

THE RENEWABLE ENERGY AND HYDROGEN JOBS FUND

At the core of the Queensland Jobs Fund, a AUD\$2 billion Renewable Energy and Hydrogen Jobs Fund is helping power transformation.

The fund will consider investment proposals that support additional renewable energy generation and storage capacity in Queensland,

and the transition to Queensland's 50 per cent Renewable Energy Target by 2030. This includes, but is not limited to, solar, wind, pumped hydroelectric storage, hydrogen and supporting network infrastructure.

RENEWABLE ENERGY ZONES

The fund complements the commitment of AUD\$145 million to establish three Queensland Renewable Energy Zones (QREZ) – the northern, central, and southern QREZs – to support significant renewables investment. In these areas, the government will undertake

strategic network investments, streamline the development of new renewable energy projects, and work to match new and existing industrial energy demand with our low-cost renewable energy.

INDUSTRY PARTNERSHIP PROGRAM

Part of the Queensland Jobs Fund, the Industry Partnership Program will invest AUD\$350 million to continue to grow and create jobs across a number of priority industry sectors such as advanced manufacturing, hydrogen, biofutures, and Mining Equipment and Tehnology Services (METS).

Through the program, we'll work together with business, industry and research institutions to tailor flexible incentives that facilitate cross-sectoral opportunities, unlocking growth in multiple industries or supply chains, and have a broad impact on the economy.



Image: Australian Institute of Tropical Health and Medicine, Townsville

Queensland is the destination of choice for businesses and investors wanting to decarbonise their supply chains and draw on renewable energy to fuel their work.

We can help you get started in Queensland. The Queensland Government works cohesively to assist with the facilitation of land, infrastructure and social capital required for your next investment.

CASE STUDIES



LANSDOWN ECO-INDUSTRIAL PRECINCT

The Lansdown Eco-Industrial Precinct is Northern Australia's first environmentally sustainable advanced manufacturing, technology and processing hub.

The precinct is ideally located close to existing and future infrastructure networks, such as the Port of Townsville and high volume road corridors, and has been zoned as High Impact Industry.



RIO TINTO

As Queensland's largest energy user and major Gladstone employer and manufacturer, Rio Tinto is the first big industry signatory to a multi-signatory statement positioning Central Queensland as one of the first regions in the world to benefit from the massive growth in demand for renewable energy.



FORTESCUE FUTURE INDUSTRIES

Fortescue Future Industries (FFI) is at the forefront of the Green Hydrogen solution that the world needs now. FFI chose Gladstone, Queensland as the home of their Global Green Energy Manufacturing Centre, the first step towards a series of projects that will transform regional Australia through green industry manufacturing and energy project centres.

The first step in the project will be the establishment of Australia's first multi-gigawatt-scale electrolyser factory, with an initial capacity of 2 gigawatts per annum – more than doubling current global production. The initial electrolyser investment is expected to be to AUD\$14 million, with the first electrolysers scheduled for production in early 2023.

FFI plans to also establish its first Vocational Training and Employment centre in Queensland.



ACCIONA

The Queensland Government has approved 12 wind farms across the state since 2018. From Acciona's AUD\$1.96 billion MacIntyre Wind Farm Precinct in the state's south-east to Lacour Energy's Clarke Creek Wind Farm in the north, many operators are already taking advantage of Queensland's natural assets.

IWATANI

Japan's largest hydrogen supplier Iwatani has joined forces with Queensland generator Stanwell to commence a AUD\$10.4 million feasibility study into the development of a large-scale renewable hydrogen facility in Gladstone. Land has been secured for a three-gigawatt facility in Aldoga, west of Gladstone. Japanese companies Kawasaki Heavy Industries, Kansai Electric Power Company and Marubeni, alongside Australian energy infrastructure business, APEA Group, have also joined the consortium responsible for the study.

KOREA ZINC COMPANY LIMITED

Korea Zinc Company Limited has provided AUD\$17 million towards the AUD\$1.7 billion CopperString 2.0 project which will create a 1100-kilometre transmission line to connect the North West Minerals Province to the national electricity Market. This will open up land for the development more solar and wind generation and support renewable generation capacity for a hydrogen export industry.

SUMITOMO CORPORATION

Publicly-owned renewable energy generator CleanCo has signed an agreement to join Sumitomo Corporation and its partners on the development of a hydrogen industry in Gladstone. The Gladstone MOU continues CleanCo's focus on achieving Queensland's energy transformation goals, both through competitive renewable energy projects and helping to develop our emergent hydrogen industry.

Consortium partners for the Sumitomo Gladstone project include Sumitomo Australia Pty Ltd, Gladstone Ports Corporation, Gladstone Regional Council, CQUniversity Australia and Australian Gas Infrastructure Group.





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Queensland
Government