Adani Mining is committed to providing jobs for Queenslanders.

For generations, mining has sustained thousands of jobs for Queenslanders. The industry is a mainstay of the Queensland economy. The royalties and business opportunities mining creates benefits everyone, from remote regional communities through to South East Queensland.

Adani Mining will continue this tradition, ensuring regional Queensland communities are strong, resilient and vibrant.

Located more than 300km west of the Queensland coast, the Carmichael Mine Project is ideally positioned to maximise the opportunities that the Galilee Basin presents, so Queenslanders reap the rewards.

The Carmichael Project is a thermal coal mine and rail project, which will transport coal from the Galilee Basin to countries in Asia, including India, Vietnam and China, delivering thousands of jobs for Queenslanders in the process.

By delivering a 10 million tonnes per annum mine, combined with a rail line to connect the mine to the Port of Abbot Point, communities like Townsville, Rockhampton, Mackay, Bowen and the Isaac region are ideally positioned to receive new jobs and contract opportunities for local workers and businesses.

Adani Mining is committed to the job of:

- Providing jobs for Queenslanders.
- Operating safely, responsibly and in a sustainable manner.
- Injecting billions of dollars in royalties into the Queensland economy.
- Playing its part in creating affordable energy for those in the world who need it the most.
- Delivering shareholder value and benefits to the communities in which we operate.

The Carmichael Mine is located approximately 300km from the coast.
Protecting the Environment

Eight years of rigorous approvals processes gives Adani the authority to operate the mine and rail under strict environmental conditions.

- **2010** Environmental impact assessment commenced
- **2011-2015** Exploration (with supporting and environmental approvals)
- **MAY 2014** Approval from Queensland Coordinator-General
- **OCTOBER 2015** Approval from Federal Environment Minister
- **MARCH 2017** Associated Water Licence by Queensland Department of Natural Resources
- **APRIL 2016** Mining leases granted by Queensland Department of Natural Resources
- **FEBRUARY 2016** Environmental Authority granted by Queensland Environment Department

- The mine will not use water from the Great Artesian Basin.
- Adani is not permitted to pump water from the Suttor River when there is a drought.
- The Doongmabulla Springs are located more than 8km from the mining lease and 11 km from any mine activities. Adani must monitor and report to the government about the level of water in the springs. To protect the springs and its local species there are regulatory conditions that state that the water level at the springs cannot drop lower than 20cm.
- Safeguards have been put in place in case there is seepage from the GAB to the mine. This potential seepage is predicted to peak at 730 mega litres per year in the later years of mine life at full production. To offset this, Adani must cap free-flowing GAB bores on properties in the region, at the rate of 730ML/year for the first five years – that’s 3650ML of water in total, permanently returned to the GAB.
- A levee wall and 1km buffer zone will separate the mine from the Carmichael River to protect the riverine environment.
- The mine will have more than 100 monitoring bores to observe underground water levels. The information gathered will be reported to regulators and used to ensure the mine’s water use is safe and sustainable.

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**Adani cannot take water from the Suttor River in drought.**

- Suttor River in drought
- Adani cannot take water

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**Suttor River in flood**

- Farmers take water first
- Adani can take up to 12.5GL a year
- Water licence from Queensland Government
- Flow rate higher than 2,592ML per day
The Mining Process

Coal is mined → Coal is transported by truck → Coal is taken to the coal handling and preparation plant → All coal is taken by rail to port → Coal is used for power generation in Asia, including India, China, Malaysia and Vietnam → Coal is transported onto a ship in a sealed cargo hold, ensuring coal cannot escape on the journey → Coal is transported by truck → Coal is mined

Rehabilitation is an essential part of the mining process and will be managed within detailed legislative and regulatory frameworks.

Carmichael Coal Mine Production per Annum

The Carmichael Mine will produce 10 million tonnes of coal per annum in stage one. This is only a small fraction of the total coal produced in Australia and a minor percentage of the thermal coal used in the world each year.

10 million tonnes per annum is equivalent to:

- 1% of total world thermal coal traded in 2018
- 0.2% of total world thermal coal demand in 2017

Source: IEA WEO 2018
Carmichael Rail Network

Coal will be transported from the Carmichael Mine to the Port of Abbot Point, via a 200km narrow gauge rail network that connects to existing rail infrastructure, delivering a seamless international freight transport network.

Fast Facts

- Approximately 200km long.
- Narrow gauge track.
- Initial design capacity 40 million tonnes per annum, with the ability to further expand.
- 80km/h maximum speed.

Adani Australia is an energy and infrastructure company, dedicated to delivering energy solutions for an advancing world.

By providing energy solutions here in Australia and the Asia Pacific region from renewable and thermal energy, we will create jobs and help fund major infrastructure upgrades to hospitals, schools and roads by contributing billions of dollars in taxes and royalties.

Welcome to the age of sustainable global energy. For Adani Australia, it all starts in regional Queensland.

**Fast Facts**

- Approximately 200km long.
- Narrow gauge track.
- Initial design capacity 40 million tonnes per annum, with the ability to further expand.
- 80km/h maximum speed.

**Adani Australia**

- Rugby Run Solar: 65MW solar farm with capacity to increase to 170MW
- Carmichael Rail: 200km rail line connecting to existing rail network to transfer coal to the Port. Capacity to carry up to 40MTPA
- Townsville HQ: Adani’s regional HQ opened in 2017
- Carmichael Mine: 10MTPA open cut thermal coal mine
- Whyalla Solar: 140MW solar farm proposed for Whyalla
- Abbot Point Terminal: Natural deep water port 30km north of Bowen. Multi-user port exporting coal from various Bowen Basin mines
- Carmichael Rail Network: Coal will be transported from the Carmichael Mine to the Port of Abbot Point, via a 200km narrow gauge rail network that connects to existing rail infrastructure, delivering a seamless international freight transport network.

*Note: *MTPA - Million Tonnes Per Annum