

# CARMICHAEL PROJECT NEW NARROW GAUGE RAIL DESIGN

## A practical and cost-effective solution

Adani Mining has announced a new narrow gauge railway design solution for the Carmichael Project to accelerate the delivery of the project and reduce capital costs.

We had previously planned to build a 388km standard gauge railway between the Galilee Basin and Abbot Point Port. The new rail design will deliver a narrow gauge rail line, approximately 200km long, that connects to the existing Aurizon network.



## Leveraging existing infrastructure

The revised design follows the same route as the previously contemplated design, however instead of going all the way to the Port, it connects into the Aurizon network. By connecting to Aurizon's existing network we can fast track project delivery, reduce project capital expenditure and consequently deliver coal more quickly to the countries in Asia with high-energy demand.

## Delivering our project faster to realise economic benefits for Queensland

Construction and operation of the railway will create thousands of new jobs for Queensland and will open up the Galilee Basin to create jobs for Queensland families and opportunities for small business. These economic benefits will be felt most in places like Townsville, Rockhampton, Bowen and Mackay and will flow on to the rest of the State.

Fact	Previous rail design	New rail design
Route Length	388km	Approx 200km
Gauge	Standard Gauge (1435mm)	Narrow Gauge (1067mm)
Stage 1 capability	40mtpa	40mtpa
Maximum Speed	Loaded – 80km/hr	Loaded – 80km/hr
	Unloaded – 100km/hr	Unloaded – 80km/hr
Design Life	Rail Track – 50 years	Rail Track – 50 years
	Drainage Structures – 50 years	Drainage Structures – 50 years
	Bridge Structures – 100 years	Bridge Structures – 100 years
Train Consist	3 Locos 220 wagons	Expected: 3 Locos 120 wagons

# A new rail network design to reduce costs and accelerate project development

