

Cross River Rail Project European Train Control System (ETCS)

SIGNALLING FOR MORE SEAMLESS AND SAFER TRAIN TRAVEL

A world-class railway signalling system is being installed in South East Queensland as part of the Cross River Rail Project.

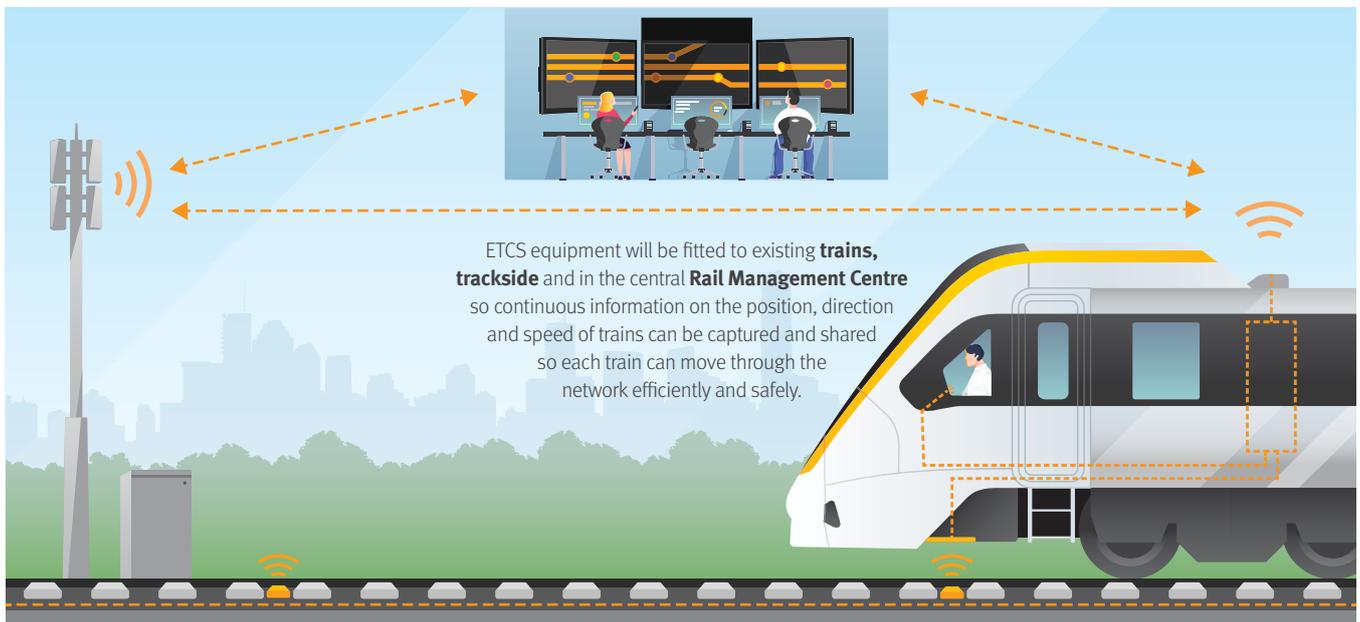
The introduction of the European Train Control System (ETCS) will add capacity and efficiency to our inner-city rail network.

ETCS is a well-proven signalling system, already operating in cities around the world. It will allow more trains to run more often, and will increase capacity and enhance the safety on our rail network. It is especially important for the safe operation of trains in the Cross River Rail tunnels.

THE BENEFITS

- More trains, more often
- Enhanced safety
- Greater efficiency and improved reliability
- Real time information for passengers

How does it work?



The ETCS is an advanced signalling system that relays continuous information between the train and central Rail Management Centre via a radio system, trackside technology and onboard equipment.

This information reports the position, direction and speed of each train and enables the system to calculate safe, maximum running speeds.

Knowing the exact position of each train along the network means they can be scheduled to travel closer to each other while maintaining the highest standards of safety.

It also makes it possible to automatically update train schedules, which means more accurate real time information for passengers.

What's involved?

ETCS will be rolled out in several stages starting with the Shorncliffe Line where work has already commenced and is expected to be operational in 2022.

This will involve ETCS equipment being fitted to trains and tracks, and in Queensland Rail's Rail Management Centre. New cabling, technology cabinets, marker boards and radio masts and antennas will also be installed to complement existing infrastructure.

The majority of work will be completed, and infrastructure installed within the rail corridor and on Queensland Rail property to minimise impact on the visual landscape, the community and the natural environment.

Every effort will be taken to ensure all work is carried out safely, and managed to minimise disruption to commuters and surrounding residents and businesses. All activities will be undertaken in accordance with relevant regulations.



Subscribe to receive updates

To learn more about ETCS, visit crossriverrail.qld.gov.au/about/rail-network-improvements.

Be sure to also keep up-to-date with work in your area by subscribing to electronic updates by selecting ETCS.

About Hitachi Rail

Hitachi Rail is a fully integrated, global provider of rail solutions. With a presence in 30 countries and over 14,000 employees, we strive for industry-leading innovations and solutions that deliver value for our customers and sustainable railway systems to benefit communities.

We have integrated ETCS signalling systems worldwide, and are proud to be delivering the ETCS system, along with our state-of-the-art traffic management technology which is also operating in Tokyo and London.

About Cross River Rail

Brisbane's new underground, Cross River Rail will change the way we travel across the whole of South East Queensland.

Cross River Rail is a new 10.2km rail line from Dutton Park to Bowen Hills, which includes 5.9 kilometres of twin tunnels under the Brisbane River and Brisbane CBD.

The project includes construction of four new underground stations at Boggo Road, Woolloongabba, Albert Street and Roma Street.

It will also deliver upgrades to eight above ground stations including: Salisbury, Rocklea, Moorooka, Yeerongpilly, Yeronga, Fairfield, Dutton Park, and Exhibition.

The project will also deliver three new stations on the Gold Coast line at Pimpama, Helensvale North and Merrimac.