



**TRANSPORT MAJOR
PROJECTS**



A photograph of a modern high-speed train, primarily silver with blue accents, on a railway track. The train is positioned on the right side of the frame, moving away from the viewer. The tracks are made of steel rails on concrete sleepers, set on a bed of dark gravel. Overhead power lines and support structures are visible above the train. The background shows a clear blue sky and some industrial or railway infrastructure. A dark semi-transparent box is overlaid on the left side of the image, containing text.

Sydney Metro Northwest

The first fully automated rapid transit rail system in Australia, and comprises eight new railway stations, 4,000 commuter car parks and a new high frequency single-deck train system to Sydney's growing northwest, and will now operate NWRL's 36km rapid transit train service for 15 years.



Sydney Metro City & SouthWest - Linewise works

Line-wide Work for Sydney Metro encompasses the essential systems, services, and construction necessary for the seamless operation of the entire metro network. Systems Connect, tasked with this responsibility, will deliver key components such as metro rail tracks, power infrastructure, communications systems, and signaling across a 31-kilometer underground stretch from Chatswood to Sydenham. This includes overhead power equipment, 11 substations, and the expansion of the Sydney Metro Trains Facility at Rouse Hill to accommodate 37 new eight-car trains. Additionally, a new facility at Marrickville will provide stabling for 16 six-car metro trains. The scope involves installing tunnel equipment, fitting out stations with ventilation and high voltage equipment, and delivering various safety systems. Other components include bulk power feeds, new stabling and maintenance facilities at Sydenham, integration works at Chatswood, and the provision of high voltage systems for the Southwest corridor from Sydenham to Bankstown.

Cross River Rail

The Cross River Rail (CRR) Project comprises two main work packages: Tunnels, Stations, and Development (TSD) and Rail, Integration, and Systems (RIS). The TSD Package, led by the Pulse Consortium through a Public-Private Partnership with CIMIC Group companies Pacific Partnerships, CPB, and UGL, focuses on the underground section. This involves mechanical, electrical, and safety systems, four new underground stations, and the tunnel connecting Dutton Park station to a northern portal beyond Normanby.

The RIS Package, managed by the UNITY Alliance with CPB and UGL as leads, handles the design, supply, and installation of rail systems, integration into Queensland Rail's network, and surface infrastructure enhancements. This includes OHLE modifications, telecommunications upgrades for the Digital Train Radio System, new signaling, rail civil works, and the rebuilding of six suburban stations: Dutton Park, Fairfield, Yeronga, Yeerongpilly, Moorooka, and Salisbury.



Regional Rail Link

Rail Systems delivered project-wide infrastructure for the train control, signalling, telecommunications, and information and communications technology components of the Regional Rail Link, with works spanning the entire 90km alignment and including the design and installation of technology integral to a safe, efficient and reliable train network, as well as civil construction works for a 10km area between Sunshine and Rockbank.




Gippsland Line Upgrade

The Gippsland Line Upgrade will enable much-needed extra off-peak services such as track duplication, a crossing loop extension and second platforms at stations that will provide more opportunities for trains to pass each other.

The project includes duplicating track, extending the Morwell crossing loop, upgrading level crossings and signalling, and adding second platforms.





Canberra Metro Stages 1 & 2A

The initial phase of the Canberra Metro project involved the creation of a 12km track spanning from Gungahlin to the city, encompassing Flemington Road, Federal Highway, and Northbourne Avenue.

This stage featured the construction of a depot, signaling systems, 13 stops, and 14 Light Rail Vehicles (LRVs) operating under GoA 0.

The subsequent Light Rail Stage 2A, extending from Alinga Street to Commonwealth Park, aims to provide residents with an eco-friendly transportation alternative.

The expansion encompasses the design and construction of 1.7km of new track along Alinga to Commonwealth Avenue, incorporating a wireless track section, three additional stops at Edinburgh Avenue, City South, and Commonwealth Park, and 12 new LRVs. Notably, the project involves adapting existing vehicles to employ onboard energy storage, enabling wire-free operation for future extensions and enhancing connectivity between the city and the lake while improving local amenities.