



Australia: Market Snapshot Rail + Metro Sector

Australian major cities and regional centres are facing the following challenges: **growing and urbanised population, expanding and geographically spreading cities, increased congestion** as well as **increasing greenhouse gas emissions**. These challenges continue to drive **record levels of spending on public transport infrastructure** across Australia – with rail and metro projects taking a lead role.

The Federal, State and Territory governments have committed over **A\$100 billion (~CHF60.1bn)** for new rail + metro infrastructure projects and upgrades to 2030. The investment is targeted at new rolling stock as well as solutions to upgrade and improve the infrastructure, network capacity, safety and overall system efficiency.

MAJOR LARGE-SCALE PROJECTS IN AUSTRALIA

- **Sydney Metro (New South Wales):** Currently Australia's largest public transport project (~A\$12 billion or ~CHF7.3bn), planned to deliver 31 metro stations and +66km of new metro rail in Sydney.
- **Metronet (Western Australia):** A\$4.1 billion (~CHF 2.5bn) program to deliver 72km of new passenger rail and up to 18 new stations in the city of Perth.
- **Melbourne Metro Tunnel (Victoria):** The A\$11 billion (~CHF6.7bn) metropolitan rail infrastructure project currently under construction in Melbourne.
- **Cross River Rail (Queensland):** State's biggest infrastructure project worth A\$5.4 billion (~CHF3.3bn), including A\$2.7bn worth of tunnels and metro stations.
- **Inland Rail (national):** Australia's largest freight rail infrastructure project for 1,700km high-speed modern rail line connecting Brisbane and Melbourne (A\$9 billion or ~CHF5.5bn).

Opportunities + New Technologies on the Radar

Australia has an aging public transport fleet and there is **demand for retrofit products** to modernize or extend the life of equipment. State Governments are also increasingly investing in **replacing the ageing rolling stock**. This may create opportunities for Swiss suppliers to get involved in major projects and partner with companies in Australia's rail supply chain. The Victorian Government is investing AUD4.5 billion (~CHF2.7bn) in new trains, next-generation trams and supporting infrastructure, with early design work under way.

In a new wave of innovative digital technologies, **automation** and **driverless systems** are expected to have the greatest impact on Australia's rail industry. Furthermore, both **signalling** and **communication infrastructure** are being digitalised to accommodate for automation and driverless technology.

Examples of **recent investments** in new technology solutions:

- A new A\$371 million (~CHF226.2m) **smart ticketing system** express gate trial, funded by the Queensland government, is currently underway at Brisbane's central station.
- Melbourne is investing in advanced **communications-based train control (CBTC) system**, under A\$1.1 billion (~CHF670m) contract, as part of bigger Metro Tunnel rail project.

The rising urbanization and the need for improved transport infrastructure are expected to continue driving investments in the sector. **Swiss companies** with advanced, tested solutions across the supply chain -from design, high-tech signalling/control systems, monitoring & management systems, to rail maintenance and automation - are encouraged to explore opportunities in more detail and to consider visiting the market!

E.g. Swiss company Gilgen Door Systems AG was shortlisted to provide the technology for improving station accessibility, including mechanical gap fillers and platform screen doors, as part of the Sydney Metro project. The next step of the procurement process will be to test the technology for Australian conditions.

AusRAIL Plus is the largest industry conference and expo in Australasia. The next event is planned for 2021 in Brisbane, Queensland. www.ausrail.com

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