



Capability Overview: Rail.

Sustainable communication assets.

Over the next decade and beyond, the rail sector will undergo extensive growth to build a better and more sustainable future.

This growth will be fuelled by major metropolitan and light rail projects aimed at reducing congestion on road networks, as well as major improvements and upgrades to existing freight corridors. The current national rail infrastructure network can't support this projected growth, therefore extensive works are expected to renew and replace old and dated infrastructure.

As part of this overhaul and new build projects, rail asset owners and operators will rely on state-of-the-art, cost-effective communications solutions to underpin the safety and reliability of their passenger and/or freight operations and train control. Teaming with specialists who can optimise the performance of communications assets without compromising quality or efficiency will be vital for commercial success.

Turnkey solutions to your toughest challenges.

With over 25 years' experience, Visionstream is one of the largest, fully integrated communications and ICT infrastructure and services providers.

We partner with public and private sector rail network owners and operators, major mining companies with dedicated rail networks and construction companies to deliver fully integrated, end-to-end communications solutions for both greenfield and upgraded rail projects.

Together we can deliver a full turnkey solution across wireless and critical infrastructure networks. Our national team boasts broad in-house capabilities from planning, acquisition and clearances, to high-end design, construction and installation.

We can also provide ongoing operations and maintenance of communications and critical infrastructure networks, including 24/7 monitoring and emergency response – services that are key to ensuring the effective and efficient running of rail corridors and networks.

Our innovative solutions are key to ensuring the effective and efficient running of rail corridors and networks.

Expert advice where it counts.

Visionstream has worked with some of the largest rail and mine operators to enhance the operability and functionality of their rail network communications infrastructure.

Our teams are expert in:

- Delivering asset management solutions that optimise performance, value and reliability.
- Providing innovative solutions to help reduce costs, significantly improve system reliability and maintainability, and enhance service delivery through a more efficient rail network.
- Effectively managing risk, including environmental health and safety, industrial relations, statutory compliance and business continuity.
- Land access management including cultural and heritage issues.
- Site acquisition and engineering design in all major cities.
- Providing flexible and tailored delivery options.

A national solutions architect.

Visionstream has proven planning, commissioning, operations and maintenance capabilities across both public and private sectors.

We can support you with:

- Construction of digital train radio network and associated infrastructure, incorporating fibre optics, microwave, Wi-Fi, paging, P25, TETRA, 3G and LTE.
- Sourcing, installation and fit-out of all new communications and security systems including CCTV, PA systems and digital video recording equipment.
- Installation, commissioning and maintenance of transmission base stations, antennas, poles, towers and other elevated structures.
- Optical fibre backbone and coaxial cable network design, construction and maintenance.
- Station and platform local area networks, wireless and radio communications services.
- Design, supply and installation of all back-up power requirements for communication and signalling equipment, including battery provision, solar panels and UPS systems.
- Communication equipment rooms, shelters, cabinets and racks.
- Design and commissioning of IP and SDH/PDH equipment.
- Civil works including 'pit, pipe and slab' construction.
- Voice Mobile Radio System.
- Drive Assistance Video System.

Our expert teams are supported by an extensive sub-contractor network and when appropriate, we also partner with industry-leading technology providers. Together and with you, we can architect a solution that meets your unique project needs.



For more information on how we can work with you to
improve your rail network, please visit
www.visionstream.com.au