

Transport and Government Secure Network



VicTrack

VicTrack is investing \$69m to transform our statewide telecommunications network to ensure it keeps pace with the transport needs of our growing population.



Projects being delivered for the Victorian Government

\$70m*



● Radio towers — Fibre

Reinvested into the state's transport assets

\$37m*



About VicTrack

VicTrack owns Victoria's transport land, assets and infrastructure on behalf of the state government.

We work to protect and grow the value of the portfolio to support a thriving transport system and make travel and living better for Victorians.

Our job is to ensure the state's transport assets – including land, infrastructure, trams, trains and telecommunications networks – serve Victoria now and in the future.

Our company-wide approach allows us to draw on the expertise available across VicTrack.

Our core functions are:

- providing telecommunication services and network infrastructure that supports public transport
- managing land set aside for transport purposes, including the development and sale of land no longer required for transport
- providing project management and civil engineering services for rail infrastructure upgrades
- managing transport facilities and assets, including the open access Dynon Rail Freight Terminal
- taking care of our heritage buildings and protecting the local environment.

* 2018/19 Annual report


An improved telecommunications network for the whole of government




Ensuring public transport users are always connected




Meeting the transport needs of Victoria's growing population



A \$69m investment to transform our telecommunications infrastructure




Increasing our state wide telecommunications coverage and deliver new services



What is the TGSN?

Our telecommunications network is classified as 'vital critical infrastructure' in Victoria. The Transport and Government Secure Network (TGSN) is a fixed state wide telecommunication network. It will transform VicTrack's current infrastructure, to deliver a safer, and more secure network that will also be more efficient and reliable. The TGSN will also improve our network's signalling capability, passenger information displays and myki ticketing.

The project will be rolled out over three years commencing mid 2020.

Why is it needed?

Around two-thirds of our fixed transmission network is ageing. While it has served us well it will become increasingly difficult and expensive to maintain.

A network transformation is needed to support the roll out of High Capacity Signalling technology, an increase in data capacity and speed and to ensure our network remains secure and resilient against the ever increasing risk of cyber-attack.

What will it do?

The TGSN network will connect 344 railway stations and other rail corridor sites across the state. When complete, the TGSN will support rail operators, public safety, mobile broadband and other technologies. It will improve efficiency in responding to telecommunications issues.

Our new network also provides opportunities for other government agencies to utilise TGSN and reduce network duplication, thereby saving costs.

- What are its benefits?**
- Cost savings**

The TGSN infrastructure is already being incorporated in new station builds under the Level Crossing Removal Program, reducing costs and speeding up deployment.
 - Improved reliability & security**

TGSN will benefit the Major Transport Infrastructure Authority and other public transport providers by delivering a network that is more reliable and secure.
 - Risk reduction**

The need to maintain infrastructure that is past the end of repair or end of support will be eliminated, achieving savings for the state.

The new network will reduce the risks from a cyber-security breach, helping to keep the rail transport network safe and secure.
 - Commercial opportunities**

The new secure network will be able to be used by other government agencies, reducing network duplication.
 - Future proofing**

The new network architecture will be modular and scalable, allowing new assets and technologies to be incorporated as required and ensuring the network remains fit-for-purpose.

