

NEXTGEN NETWORKS



Network leaders

Visionstream works with carriers and vendors to deliver reliable, available and robust networks, across retail, residential, corporate and government sectors.

Our innovative, effective and efficient solutions ensure the supply of available networks meet voice and data demand through network optimisation, efficient build and rollout and ongoing maintenance of these critical assets. We also undertake end customer on premises installations.

An end-to-end solution for Nextgen

Visionstream's build of the Nextgen Network project comprised the design, construction, commissioning, operations and maintenance of 8,400km of ultra-high bandwidth fibre optic cable network connecting terminal or primary nodes located in Brisbane, Sydney, Melbourne, Adelaide and Perth for the carriage of wide-band telecommunications services.

The design and construction of the Nextgen Network remains one of the largest single infrastructure projects undertaken in Australia.

The network utilises state-of-the-art fibre optic technology and incorporates 800Gbps Dense Wavelength Division Multiplexing (DWDM equipment). The fibre optic cores are capable of supporting 40Gbps wavelength for use with future 2.4Tbps optic fibre transmission systems.

On behalf of the client, Visionstream provided the capacity for high-speed communication services to communities and businesses throughout Australia, including approximately 70 regional centres, many of which now have access to broadband telecommunications services for the first time.

Project highlights

- The project is the largest single infrastructure project undertaken in Australia.
- 70 regional centres are now enjoying access to broadband for the first time.
- Design, construction, commissioning and operations and maintenance of 8,400km of ultra-high bandwidth fibre optic cable network.
- Utilisation of state-of-the-art fibre optic technology and incorporation of 800Gbps Dense Wavelength Division Multiplexing (DWDM equipment).



Our innovative end-to-end network solutions deliver value, drive network efficiency and ensure the ongoing viability of your network.

A partnership that delivers results

Utilising leading technologies to deliver efficient, integrated solutions, Visionstream has built a reputation for delivering critical networks, and seamlessly integrating new network elements into complex existing networks. Our in-house engineering expertise ensures the solution is custom-designed for your network, using the most innovative technologies available to optimise the lifecycle of your asset.

We partner with you to deliver value, driving network efficiency and provide end-to-end solutions from design to build, integration and ongoing maintenance of the asset.

With more than 20 years' experience in the networks market, an award winning safety record and expertly skilled team, Visionstream brings together a diverse range of technologies and data from multiple sources without compromising integrity and reliability, to deliver whole-of-life solutions.

Having built some of the largest fibre optic and mobile networks in Australia and New Zealand and maintained both new and existing network access across the region, Visionstream has the experience and expertise to deliver comprehensive carrier and ISP solutions.



Contact us

For more information on how Visionstream can partner with you to improve the efficiency and effectiveness of your network, please visit www.visionstream.com.au