

CASE STUDY

Aerial Network Redesign Project

CLIENT | NBN

ABOUT THE PROJECT

INDUSTRY	Telecommunications
SERVICES	General Advisory Telecommunications Resourcing Design & Project Delivery Network Deployment
SOLUTIONS	Fixed Networks Mobile Networks Internet of Things Business Intelligence OSS/BSS
DURATION	2 years

THE CLIENT

NBN Co. is the government owned corporation responsible for the design, construction and operation of a ubiquitous wholesale only broadband access network to residential and business premises across Australia.

The NBN has been in the rollout phase for the last 5 years however the primary focus is not only on rolling out technology networks to all regions in Australia, but also enhancing customer experience and ensuring that the promised connectivity speeds are delivered.

NBN face a number of challenges including the unique geographical challenges the Australia presents, the condition of existing infrastructure and optimising cost efficiency through design. Due to these reasons, and other factors, some customers are unable to achieve the connectivity speeds planned and in some individual cases are not able to connect to services at all.

Reasons for these issues can often be traced back to the Detailed Design Document – which provides field construction teams with the information required to connect the correct fibre cable to the premise within the selected technology.

THE PROJECT

NBN Co. engaged GQI to provide re-design services and review a large backlog of designs (originally created by NBN's Delivery Partners - typically large workforce management and infrastructure construction companies) and develop alternative technology solutions to connect the premise with the planned technology type, in this case Aerial Network Infrastructure. This would then be put into an updated Detailed Design Document.



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THE STORY

With close integration with the internal NBN Co. design team, project management and technical subject matter experts, GQI were able to meet the primary purpose of this project and significantly reduce the number of customers with poor to no services, within a 6-month period.

THE BENEFITS

The success of this project has made a significant contribution to the local QLD region as a high performing, reliable access network is vital to building a suitable digital economy and particularly in rural areas, it will allow Australians to access more information online, communicate effectively and have more entertainment options. Additionally, people will now find it possible to work from home, contact colleagues, suppliers and customers more effectively.



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