

Project

Telstra DAS Upgrade

Client

Leica Bio Systems

Location

Glen Waverley, Victoria

Outcome

Telstra Quatra 4G System

Leica Bio Systems

Glen Waverly, VIC

Leica Biosystems is a cancer diagnostics company and a global leader in workflow solutions. Only Leica Biosystems offers the most comprehensive portfolio that spans the entire workflow from biopsy to diagnosis.

The Project

The Glen Waverley Leica Biosystems facility is an impressive project, accommodating hundreds of personnel across various divisions and floors, operates within a vast layout spanning 23,724m².

The project's objective was to establish effective Telstra phone coverage throughout the facility and across various floors.

The Challenges

Perched atop a hill, the facility encounters difficulties in maintaining reliable phone signal coverage due to the limited macrocells in the area. Walking from one office to the next often resulted in dropped calls, causing frequent disruptions. The situation is exacerbated by the building's resemblance to a rabbit warren-style structure, making it challenging for strong and reliable 4G LTE signals to penetrate the innermost laboratories and offices.

Leica's staff critically require 4G LTE communication among personnel across each department at the facility. Our engineers faced a daunting task in ensuring consistent mobile phone coverage throughout the extensive layout of the building. Overcoming architectural barriers and navigating the complexities of the building's multi-laboratory facilities proved to be significant challenges.

The Solution

Our technicians effortlessly zeroed in on the perfect macrocell, even when most towers were not reliable, thanks to the remarkable precision of the VIAVI ONA800. This ensured we were able to get the absolute best signal into the facilities.

Addressing the challenges posed by the vast facility, limited cable pathways, and a bustling office environment, we embraced innovation by selecting the compact Cat6 cables provided with the Nextivity Quatra systems. These streamlined cables offered a welcome alternative to the bulky LDF450 Heliac cables, which could impede access during installation.

Deploying these agile cables to the coverage units proved transformative, minimising disruptions to daily operations and simplifying cable routing. This approach not only upheld our commitment to efficiency and excellence but also highlighted our ability to adapt and innovate in challenging circumstances.

Success

Despite facing challenges with limited macrocells and a rabbit warren-style structure, our team successfully improved phone signal coverage at Leica's facility atop a hill.

By implementing innovative solutions and overcoming architectural barriers, we ensured reliable 4G LTE communication across all departments, enhancing operational efficiency and reducing disruptions. Our success underscores our commitment to excellence and ability to overcome complex challenges in delivering superior connectivity solutions.



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