

Project

COLES Truganina DAS

Client

COLES Supermarkets

Location

Truganina, Victoria

OutcomeTelstra, Optus, Vodafone
Repeater DAS

Coles Truganina

Truganina, VIC

Coles is a top Australian retailer with over 1,800 outlets nationwide, employing 120,000+ team members, and serving millions of customers weekly across stores and digital platforms.

The Project

In 2024, Coles, a leading retailer in Australia, sought our expertise for a significant project. As telecommunications specialists, we were tasked with the design and build of a new in-building coverage system.

To ensure comprehensive coverage throughout the expansive facility, we implemented Nextivity's G41 solution, perfectly tailored to meet the demands of this intricate project.

The Challenges

Deploying maximum coverage with minimal equipment proved to be a daunting task, primarily due to the scarcity of suitable macro sites in the area, resulting in limited cell coverage. With slim pickings available, expanding the signal within the new Coles facility necessitated innovative solutions to ensure comprehensive coverage while adhering to strict project budgets.

This presented a unique challenge, as traditional approaches to in-building coverage network deployment were not feasible given the constrained resources. However, our engineers rose to the occasion with unwavering determination and ingenuity.

The Solution

Our engineers embarked on a mission to optimize every resource and design element to perfection, making sure not a single watt of power from the Nextivity G41 repeaters went to waste within the Coles store. Instead of resorting to wasteful engineering practices, they meticulously calculated and thoughtfully planned every aspect of the project.

A keen understanding of customer needs and a pursuit of the ideal outcome, Our team crafted a solution that embodied precision engineering.

Leveraging internal high-gain antennas tailored precisely for maximising minimal signals, combined with a specific style of RF couplers expertly distributing power throughout the store, we achieved unparalleled efficiency. The selection of Nextivity G41 repeaters proved to be the perfect fit for Coles, showcasing our engineers' ingenious problem-solving approach and dedication to exceeding expectations.

Success

The project showcased a savvy approach, centering on engineering solutions that not only trimmed costs but also curbed resource wastage.

Through detailed planning and an innovative design, the team ensured maximum efficiency and optimal outcomes. With a careful eye on the specific job requirements, they crafted solutions that delivered significant savings and minimised waste.

It was a win-win scenario: achieving cost-effectiveness while prioritising resource conservation, with exceptional results.