

31 Duncan Street, Brisbane

Premium office tower in Brisbane's Fortitude Valley required a robust communications solution for top-tier tenants.



The project

As a premier commercial building in the heart of Brisbane's Fortitude Valley, 31 Duncan Street required a DAS solution that would ensure seamless connectivity for the incoming top-tier tenants.

The newly constructed building is a landmark, A-Grande commercial office building. MCS partnered with electrical contractors SDF Electrical to deliver a DAS solution on time, and on budget.

Along with the focus on in-building communication excellence, the builders also sought to achieve industry-leading environmental credentials, including a target design ratings of NABERS Energy 5.0 star and NABERS Water 4.0 star at completion.

The challenge

31 Duncan Street is comprised of over 25,000sqm gross building area over 12 levels. Due to the significant scope of the building, tailoring a solution that would meet all carrier requirement involved detailed analysis and planning.

The deployment of this solution took place while the building was still under construction and fit out. Working on-site alongside other construction services added to the complexity of the project delivery.

The solution

A passive DAS solution was deemed the best fit for this building. This solution fit the requirements outlined in the current guideline, MCF18. The system included a total of 120 passive antennas across the 12 floors, including below-ground levels.

Passive DAS systems are the most common installation for a building of this scope as it is a cost-effective solution to provide carrier-approved coverage.

The results

MCS delivered the project on schedule and provided a detailed handover to SDF Electrical. Testing of the site confirmed that the passive DAS solution had successfully met the needs of the client and the lead carrier.

The client and the building's incoming tenants, including anchor tenant Urban Utilities, were able to immediately benefit from the high speed, reliable and secure coverage from all providers throughout the building.

MCS was further engaged to completed a number of fit-out projects once tenants had commenced moving into the space and additional requirements were known.