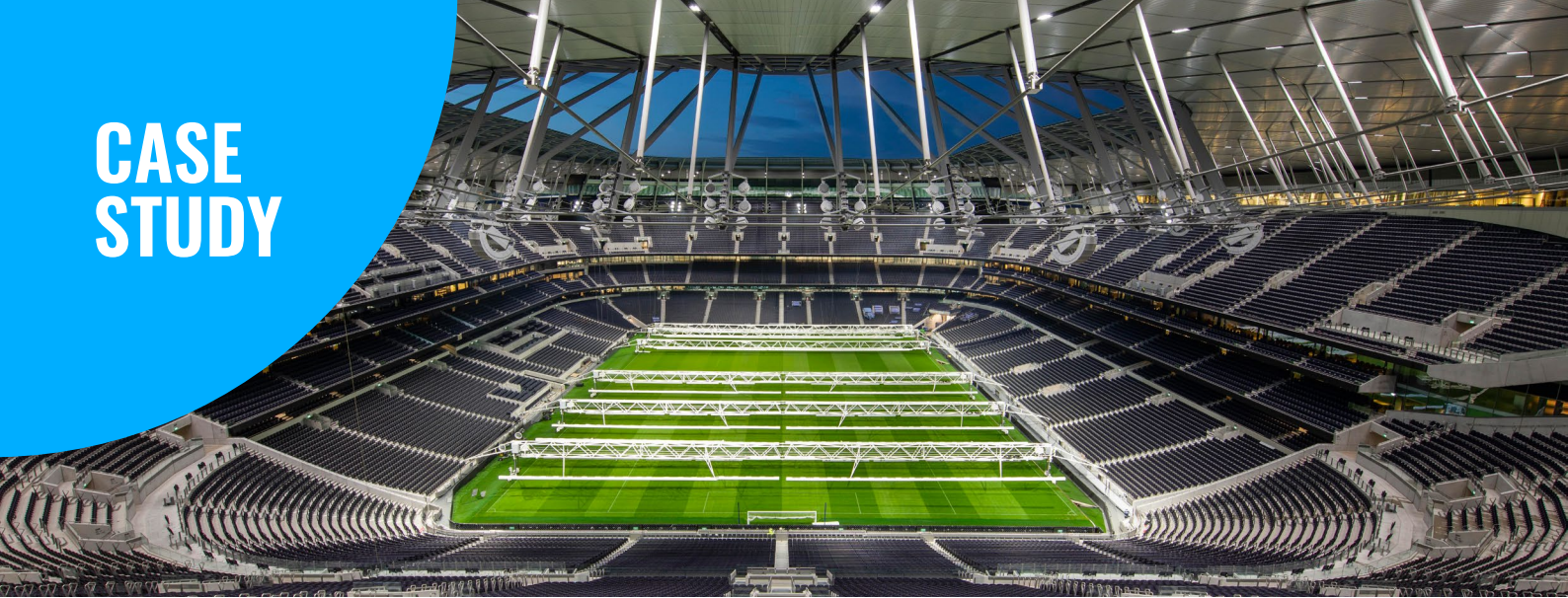# CASE STUDY

OFFICIAL CABLING INSTALLER FOR TOTTENHAM FC'S NEW STADIUM

AT A GLANCE

Solution Summary
Structured Cabling Solution Design and Installation.

Client
Tottenham FC

Location
London, UK

Size
43,000 m²

Cabling Manufacturer
Mayflex Excel

BACKGROUND

More than a decade in the making, Tottenham FC's ambition was to provide the most technological advanced stadium in Europe and has been designed with technology incorporated into the fabric of the building to enhance the experience for everyone. Their vision was to design and deliver a stadium for supporters and visitors that is truly exceptional, offering free Wi-Fi in all areas and high-density mobile coverage for all visitors attending Premier League football, NFL soccer and various entertainment events.

PROJECT DESCRIPTION

This project was one of the largest structured cabling projects delivered in London in recent years. Some of the main challenges faced with delivering a project of this scale included the number of construction companies involved and the sheer size of the on-site teams. The new stadium is built on the site of the old White Hart Lane, but is approximately half a pitch-length to the north of its replacement.

In the early days of the project, this enabled construction to begin while the club continued to play at the venue; but meant that both copper and fibre backbone cable routing was a challenge – with many cables being "coiled" to enable the completion of the Main Equipment Room. Ongoing construction of the roof meant that the Bowl Wi-Fi cabling had to be carefully programmed due to obvious H&S reasons, as did the additional IT services along the south side of the retractable pitch.

OUTCOME

Tottenham FC designed the most atmospheric stadium of its kind, incorporating the largest single-tier stand in the country, a tight stadium bowl configuration and world-class visitor facilities. As the Official Cabling Infrastructure Installer, we delivered a passive infrastructure network, consisting of both copper and fibre for the operation and connectivity of the Stadium IT (LAN, WAN, Voice services), WAP's, CCTV, AACS and AV services.