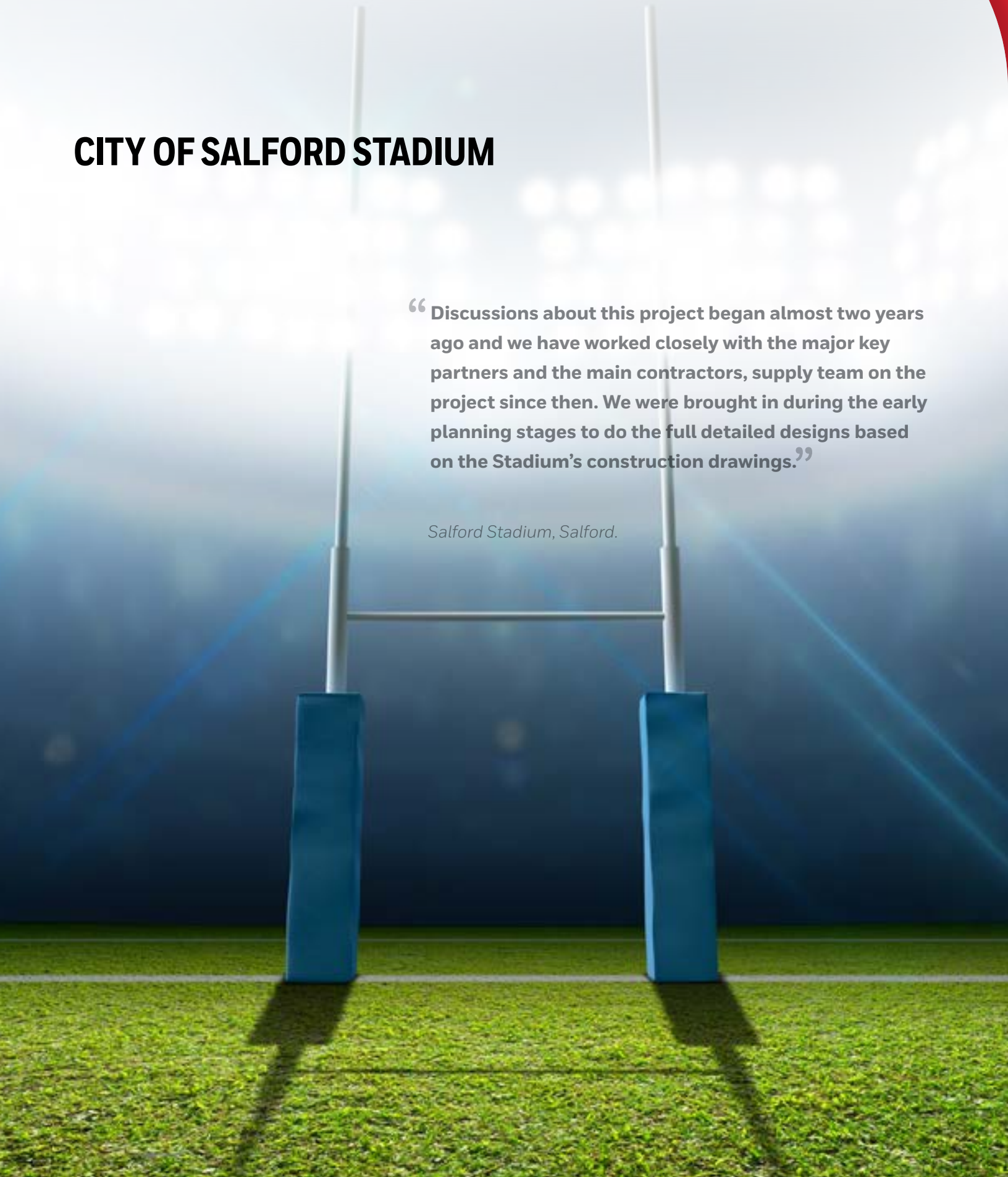
Honeywell | Security

CITY OF SALFORD STADIUM



“Discussions about this project began almost two years ago and we have worked closely with the major key partners and the main contractors, supply team on the project since then. We were brought in during the early planning stages to do the full detailed designs based on the Stadium’s construction drawings.”

Salford Stadium, Salford.

When Salford Reds made their debut in their newly opened rugby league Stadium, it was the beginning of a new era for the club and its fans.

The Needs

The £16m City of Salford Stadium, home of the Salford Reds Rugby League club was opened in December 2011. The Stadium was initially built with a 12,000 capacity, with plans to extend to accommodate up to 20,000 over time and includes built-in offices, player facilities, hospitality boxes, concessions, community resources and two community outdoor sports pitches available for business and public hire.

The Honeywell D1 voice alarm/PA system, designed specifically for the venue, is a large rack based system comprising three 42u racks and a 19 zone voice alarm/PA system, providing a total power output of 13,000 watts to the loudspeakers throughout the Stadium. The system is fully compliant with the relevant standards for sports stadiums, and meets all of the requirements of EN54 parts 16 and 24.

The Cahllenge

Wigan (UK) based safety and security specialists Tate Security Technology Limited, had to install a fire alarm and voice alarm solution in order to protect the Stadium, staff and fans. Beside the function in an emergency case, the voice alarm system has to work also as a public address system: On match days, the D1 voice alarm/PA system gives input into the Stadium's DJ for background music, scores and general crowd announcements.

One of the challenges was to achieve an SPL of 105 dBand STI 0.5.

TheSolution

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Rauchansaugsystem TITANUS Pro Sens EB

City of Salford Stadium

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The Needs

Honeywell's technical support team worked closely with customer Tate Security Technology and played a key part in the rack design, the acoustic modelling and the Stadium speaker mapping. Honeywell's detailed acoustic modelling provided in-depth prediction and results in Sound Pressure Level (SPL) distribution and STI results. The whole arena had to be acoustically modelled to ensure it complied with the requirements of BS5839 part 8 2008 and reach the specific audibility levels.

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The Solution

The cause and effect strategy of the D1 system for the whole Stadium changes according to whether there is a match taking place. The system was programmed to meet both building control and the fire strategy to enable two different modes. One operates during the games to protect the Stadium and its supporters, providing a high quality communications system and the other can be used on a day to day basis, when there is only the club staff occupying the ground.

Wigan based safety and security specialists Tate Security Technology Limited, managed the installation, from the initial design stages right through to commissioning and completion. Tate worked in conjunction with Honeywell, selecting the company's latest innovative D1 voice alarm/PA system as the most suitable solution for the Stadium.

Steve Hutchinson, sales and development director, Tate Security Technology, explains: "Discussions about this project began almost two years ago and we have worked closely with the major key partners and the main contractors, supply team on the project since then. We were brought in during the early planning stages to do the full detailed designs based on the Stadium's construction drawings."

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Technische Änderungen vorbehalten

Honeywell