CASE STUDY

The Project

The Emirates Stadium required an upgrade of their ageing critical refrigeration equipment serving the catering facilities / cold stores & beer cellars of the venue in time for the start of the 2019 Premier League Season.

Through existing relationship with CBRE, whom provide estates and facilities management services for the stadium, we were successful in competing for the project.

The works involved the replacement of 19 condensing units, 47 evaporators and control panels, the design and installation of common oil systems for 3 of the systems with networked units, and control modifications to enable the desired operation of beer cellars / glycol tank systems.

Value: £485,000

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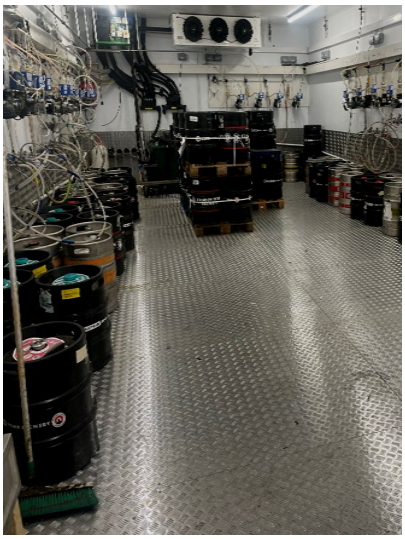
Upon review of the new equipment selection, we noted instances of substantial increase in weight which was attributed to the inclusion of EC Fans. We identified a relocation strategy for the new equipment to move high level mounted units to low level with appropriate protection where possible and in other areas installed new steel frames suitable for the increased weight.

Lead times on the equipment also created an initial challenge to delivering on our original programme, limiting the potential resource allocation with a staggered delivery schedule throughout the first half of the project. We quickly adapted our programme to sequence the works such that it was aligned with the equipment expected earliest and the clients priority areas.

The Emirates cup took place during the midst of the project and required that key deliverables were met to ensure the stadium had sufficient facilities to provide the Stadiums catering required. We achieved these deadlines and to provide additional contingency, drew upon our London based service team to provide match day site presence.

Following completion of the project, we secured an ongoing service & maintenance contract for the equipment installed as well as the existing air conditioning and chiller equipment with a commitment of 3 days labour per week, year round.

In July 2022, we also secured an order of £100,000 to carry out refurbishment of the cellar flooring.



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