



TOCA FOOTBALL 02 ARENA, LONDON

AIR-HANDLING UNIT REFURBISHMENT



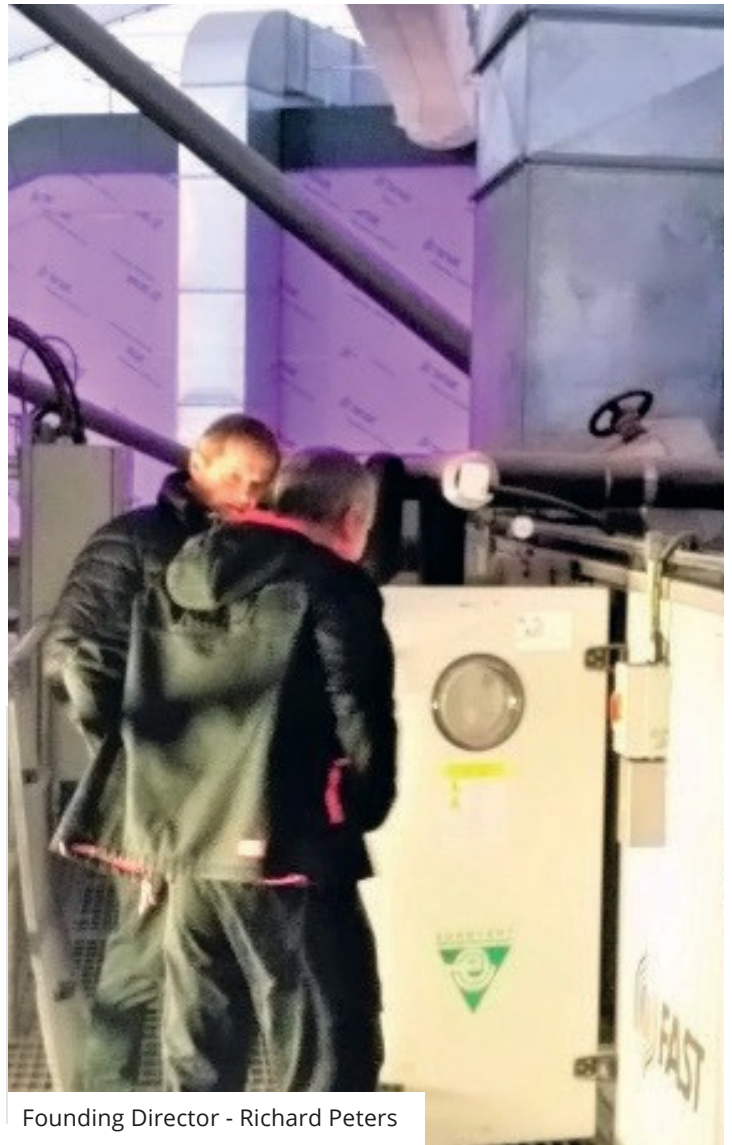
Building Ventilation Solutions

PROJECT OVERVIEW

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The Toca Project 02 Dome required refurbishment and repurposing to meet the specific needs of TOCA Social, the world's first interactive football and dining experience. The existing Air-Handling Unit (AHU) did not meet the requirements, necessitating the repurposing of the AHU to accommodate the required air volume for the activity area and bar.

The survey focused on AHU 1, 2, and 3, evaluating options for refurbishment and reinstating them to their original designs or reducing their duties while refurbishing. AHU 1 and 2 were assessed for potential refurbishment and increasing their duty to the maximum capacity, while AHU 3 required refurbishment and maintenance of its current duty.



Founding Director - Richard Peters



PROJECT HIGHLIGHTS

CUSTOMISED REPURPOSING

- Customised Repurposing: The AHU refurbishment and maintenance project was tailored to TOCA Social's specific needs, ensuring the units were modified to provide the required air volume for the activity area and bar.

COMPREHENSIVE SURVEY

- A thorough survey of multiple AHUs allowed for targeted solutions, identifying specific issues such as leaking coil pipework, damaged frost coil, and corroded areas.

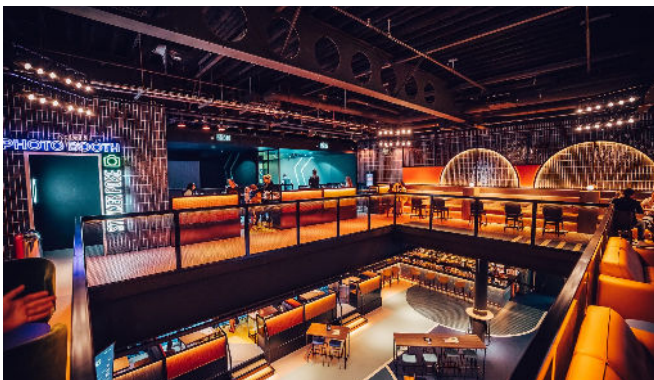
AHU REFURBISHMENT

- We fully refurbished all AHU units on time to the client's satisfaction by us and now fit for another 20-30 year's life.



EFFICIENT AND ECONOMICAL SOLUTIONS

- Cost-effective refurbishment measures were implemented, including treating corrosion, replacing seals and filters, and cleaning components. Proper alignment and tensioning of fan motor drives maximised the efficiency and lifespan of the AHUs.



AHU REFURBISHMENT
AIR-HANDLING UNIT SERVICES

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