

BIOPHARMACEUTICAL COMPANY OXFORD, UK

Project Overview

Project	Cleanroom enclosure for cell therapy development
Location	Oxfordshire
Application	Freestanding cleanroom for controlled environment
Walls	M100 (NFR) ; M100 (NFR) single-sided wall linings
Ceilings	M-WOC with flush integrated coving
Doors	Structural openings and linings for doors by others
Glazing	Integrated flush twin-glazed vision panels (NFR)
Miscellaneous	Extended framework for walk-on deck plates and edge protection Vision panels with 450mm reveal depth
Performance	cGMP cleanrooms Class 0 to BS 476 Parts 6 & 7 Structure (Heavy Duty BS 5234 Part 2) Freestanding Structure (Max load 2.5kN/m ² with clear spans up to 6.5m)

Background

Turnkey contractor Asgard Controlled Environments were appointed to deliver two Grade B laboratories for a new cell gene therapy aseptic suite for their client in Oxfordshire. The cleanroom facility included personnel and material airlocks, and a VHP decontamination chamber with full HVAC integration.

Brief

Asgard's client required a proven solution for the construction of the cleanroom envelope. MIDDAS partition solutions were selected due to our long-standing relationship with the Asgard team, having worked on a number of high profile cleanroom projects.

Solution

The MIDDAS team designed the freestanding structures from our robust M100 bi-panel system and M-WOC walk-on ceiling, incorporating our flush two-part aluminium coving for controlled environments. Third party doors were already specified, so MIDDAS panels were modulated to provide all structural openings and door linings.

The framework was extended above the ceiling to support the extensive HVAC system and distributed services. This accommodated the walk-on service deck with integrated edge protection, required for safety compliant maintenance of equipment.



"MIDDAS have been a long-standing partner of Asgard and have a proven cleanroom system, with a robust performance specification. Their manufacturing capabilities are extremely flexible and together, we were able to design a high spec system for the client."

Ross Schofield, Operations Manager
Asgard Controlled Environments



Units D1-4 Halesfield 5
Telford, Shropshire
TF7 4QJ

+44 (0)1743 294141
info@middas.co.uk
www.middas.co.uk