"The MIDDAS freestanding solution was ideal for our planned redevelopment programme, as it allowed us to incorporate the specialist gauge lab adjacent to the works area."

Steve James, Client Facilities Manager

GLOBAL ENGINE MANUFACTURER DARLINGTON, UK

Project Overview

Project	Temperature controlled gauge lab for metrology equipment
Location	County Durham, UK
Freestanding Application	Controlled environment for measuring systems
Walls	M100 (NFR)
Ceilings	M-WOC
Doors	Single/double leaf (NFR); fully glazed DDA
Glazing	Flush glazed vision panels (NFR)
Miscellaneous	N/A
Performance	Structure (Heavy Duty BS 5234 Part 2)

Background
As part of the site redevelopment, the client required a dedicated temperature controlled lab to house all their 2-, 3- and 4-axis measuring equipment and QA reference gauges.

Brief
The design of the new gauge lab needed to be a freestanding structure, to ensure no additional load was placed on the building structure and to enable travel of the large 4-axis measuring machine. The structure also needed larger, non-standard doors to allow easy equipment removal or replacement from the lab.

Solution
MIDDAS designed a freestanding lab with a 4 metre high ceiling supported from integrated beams that also supported the M&E required for temperature control equipment (nothing was hung from the building structure). A removable wall section was included to allow equipment movement, and the addition of flush feature glazing gave staff the opportunity to communicate with visitors and colleagues outside of the temperature-controlled lab.

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