

GLOBAL ENGINE MANUFACTURER DARLINGTON, UK

Project Overview

Project	Two storey office mezzanine for engineering and maintenance
Location	Darlington, County Durham
Freestanding	Advanced manufacturing for engines and components
Application	
Walls	M100 (FR60, NFR)
Ceilings	M-WOC, MCT, acoustic in offices
Doors	Single/double leaf (FR60; NFR); fully glazed DDA; bespoke sliding doors
Glazing	Flush glazed vision panels (FR60; NFR)
Miscellaneous	MIDDAS partitions with acoustic infill
Performance	Structure (Heavy Duty BS 5234 Part 2)

Background

Having previously supplied a small freestanding pod from our M100 bi-panel partition system on another project, Overbury's client wanted to use the same system with proven performance for a new engineering and maintenance facility as part of a major site redevelopment.

Brief

Initially, Overbury was tasked with designing a two storey mezzanine structure using traditional construction methods, with concrete forming the second storey floor. During the design phase, MIDDAS engineered an alternative freestanding solution that negated a need for the second level of concrete to support the distributed services.

Solution

MIDDAS designed a freestanding structure to build up and over the first level that would support all distributed services and ceiling panels from below our structural steel framework. The steel framework was erected around the shell of the first floor, extending up to create the second level. MIDDAS partitioning was then hung from the framework to create the mezzanine level envelope and all internal office spaces.



“Through the delivery of multiple projects, MIDDAS and Overbury have developed a successful partnership with us. Their freestanding solution for the upper mezzanine offered cost- and time-saving benefits for this final phase of the project.”

Steve James, Client Facilities Manager