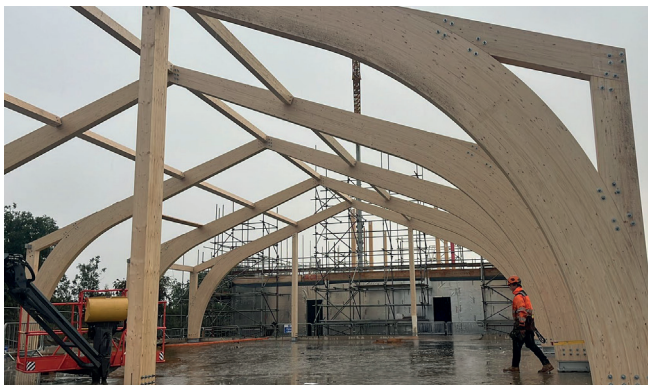
Network Rail's Low-carbon Maintenance Delivery Unit (MDU)

Barnetby-le-Wold, Lincolnshire

Curved Glulam Portal Frames

Glulam Timber Engineering supplied the curved Glulam portal frames for Network Rail's new low-carbon Maintenance Delivery Unit (MDU) at Barnetby-le-Wold. Designed to deliver both structural performance and architectural character, the main two-storey, 9,500 sq ft building features curved portals, shaped Glulam ridge beams and Glulam eaves beams, forming an expressive timber structure that celebrates sustainable design.



Working closely with the project team, Glulam Timber Engineering manufactured and supplied precision-engineered components to achieve the project's environmental and aesthetic ambitions. The Glulam frame provides a warm, natural finish internally while significantly reducing embodied carbon compared to conventional steel alternatives.

Once complete, the MDU will offer an upgraded working environment with modern offices, meeting rooms, canteen and changing facilities. The design optimises natural daylight and thermal performance, eliminating the need for energy-intensive heating while improving comfort and efficiency for staff.

This project exemplifies how Glulam technology can enhance the functionality, sustainability, and visual quality of modern infrastructure, delivering long-lasting value through design innovation and precision timber engineering.

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