Photo: Murphy group

Cambridge South Station

Cambridge, United Kingdom

Cambridge South Station has been designed as a car-free key transport hub for the Cambridge Biomedical Campus. The station exemplifies a paradigm shift in infrastructure construction, combining environmental responsibility with high technical performance and architectural quality. Once completed, the station roof will be the largest of its kind.

A total of 424 m^3 of glued laminated timber (GLT) and 366 m^3 of cross-laminated timber (CLT) were used for the building and the platform canopy. The timber species used, European larch, is characterised by its natural durability and is therefore also suitable for load-bearing structures in exposed environments. Installation proved challenging due to the proximity to active, live railway lines. During the necessary weekend closures of operations, the installation teams worked round the clock. The high degree of prefabrication of the timber construction elements significantly reduced on-site installation time, which not only minimised disruption to ongoing rail traffic but also cut construction time and costs.

Federal Ministry
Innovation, Mobility
and Infrastructure
Republic of Austria

Federal Ministry
Economy, Energy
and Tourism
Republic of Austria

Technology Award

HASSLACHER group for timber Construction

Companies involved

Architecture
- Arcadis/Fereday Pollard

Client
- Network Rails

Timber construction
- HASSLACHER group

Facts

Railway station
- Completion of timber structure: 2025

Environmental aspects
- Green roof with wildflowers
- Timber construction
- Car-free station
- Reduced construction time due to high degree of prefabrication

Key figures
- 424 m^3 of larch glued laminated timber
- 366 m^3 of larch cross-laminated timber

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