leading
timber
engineering

Solid timber solutions

John Spittle: UK Representative

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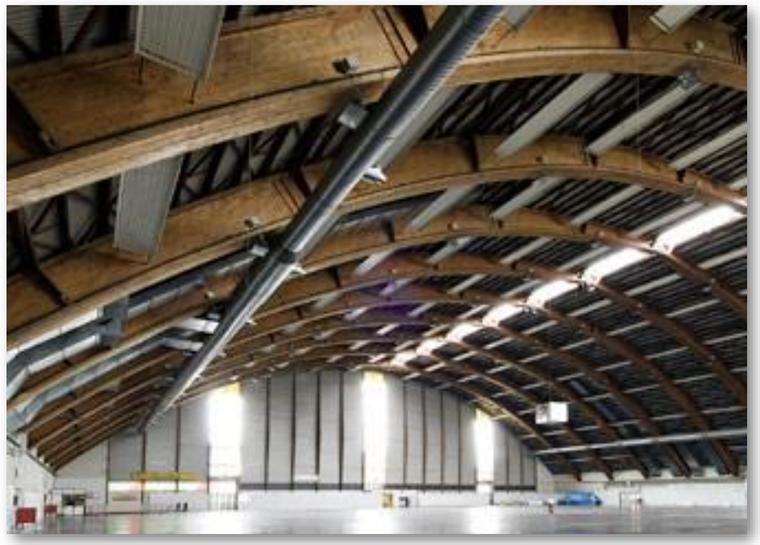
WIEHAG
TIMBER CONSTRUCTION

History of this thrivng family owned company

1849 – Company founded
Josef Wiesner is registered as a Master Carpenter in the Guild book of Altheim.

1953 – Began glued laminated timber construction

1966 – Klagenfurt Exhibition Hall - Clear span of almost 100m, and still in use today



2019 – Wiehag celebrates 170 years in business

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Wiehag in numbers

Turnover: €58,000,000
Employees: 300
Capacity: 85,000m^3 of Glulam p.a.
Of which 75% is exported.
Export markets: Mostly Europe, but also worldwide

Product range

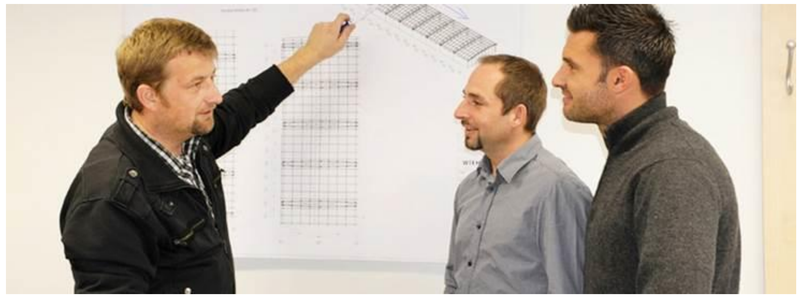
CLT – used to form walls, floors and roofs

Roof cassettes

Glulam – used to form beams,
columns & rafters

Holisitc Approach

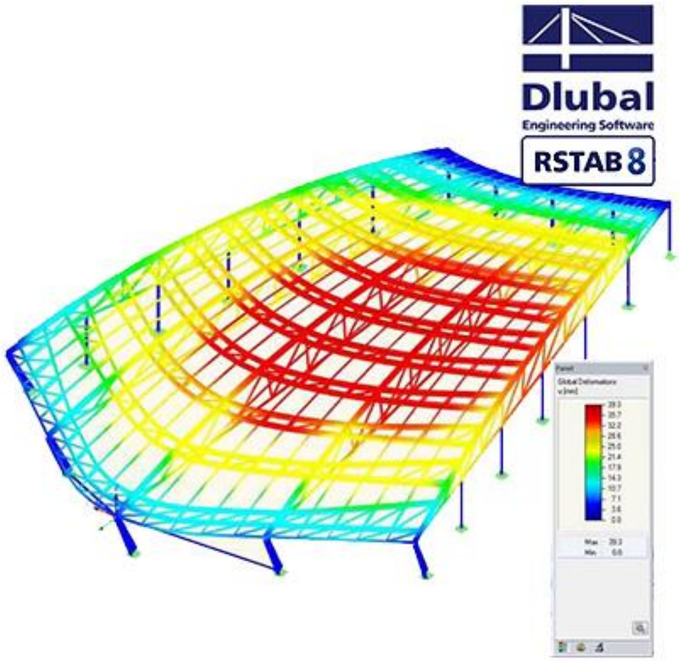
- Design (25 in-house)
- Production
- Logistics
- Installation



Wiehag‘s high tech factory in Altheim, Austria

With offices in London, Stuttgart & Bilbao

Design



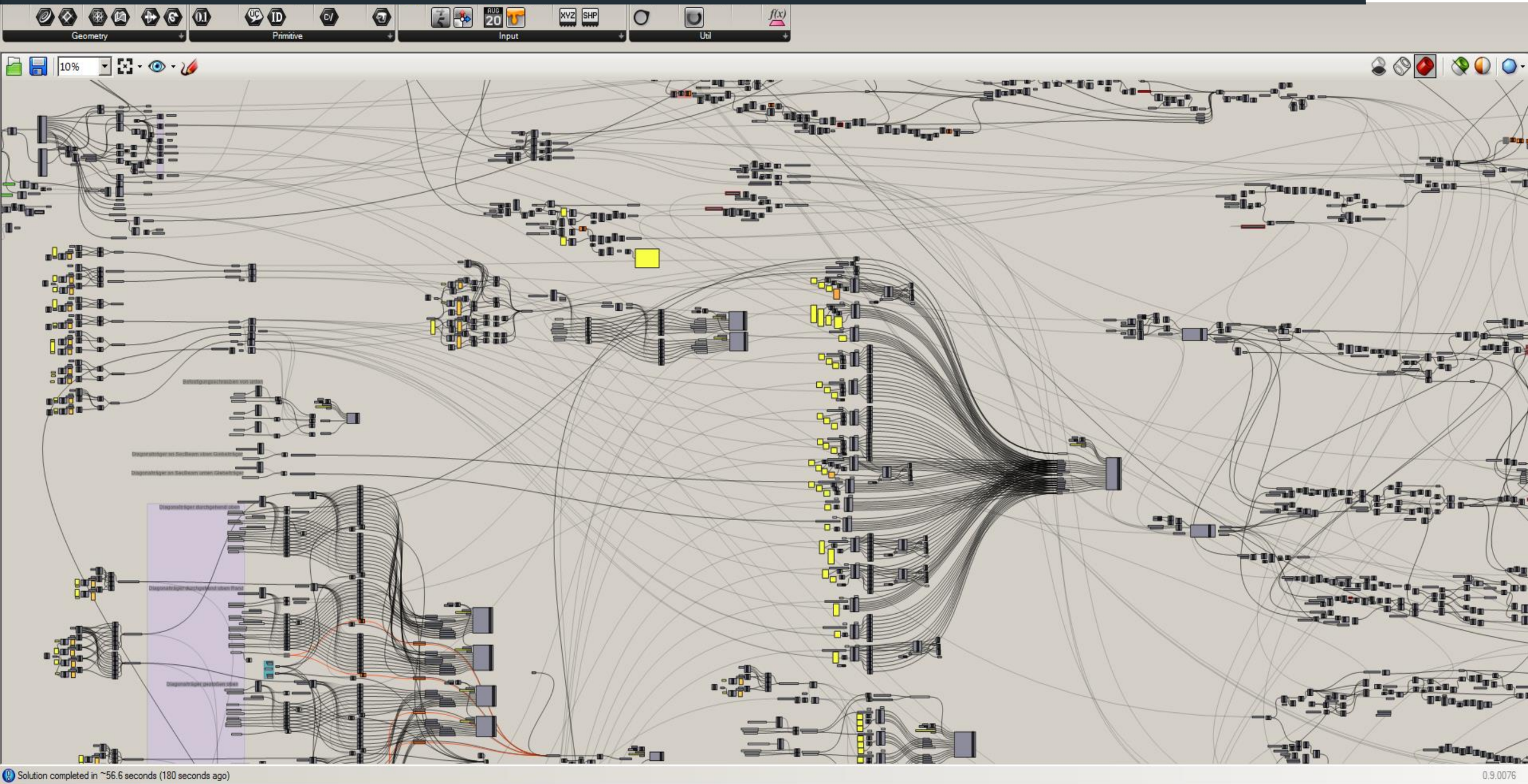
bocad®

cadwork

Parametric Design

Rhinoceros

Parametric design



Sustainability

WIEHAG is PEFC & FSC certified and procures 100% sawn timber from sustainable managed mainly Austrian forests. WIEHAG is energy autarkic due to its own heat & power station fed with timber offcuts from the production.

European forests are mainly PEFC certified and this form of certification is accepted by the UK governments Central Point of Expertise on Timber, and it complies with the UK public sector procurement requirements. If however FSC is required, Wiehag are pleased to offer it instead.

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PEFC™
PEFC/06-44-01

FSC®
www.fsc.org
FSC® A000513

Wiehag are energy self-sufficient thanks to our own biomass power station

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Raw materials

Sawn timber arrives at the Glulam factory and is stacked outside for 4 top 6 weeks (so called natural drying) it then comes into the kiln for 1 week (technical drying) to reduce the moisture content to ca 12%.

Wiehag is self sufficient! All energy (e.g. for drying and all electricity) is produced with our own power station fed by our production waste (off-cuts, chips & sawdust).

Quality

Grading each single board results in a data file of 28 MB full of information to define the strength grade and quality of the board. Tests include:

Moisture content.

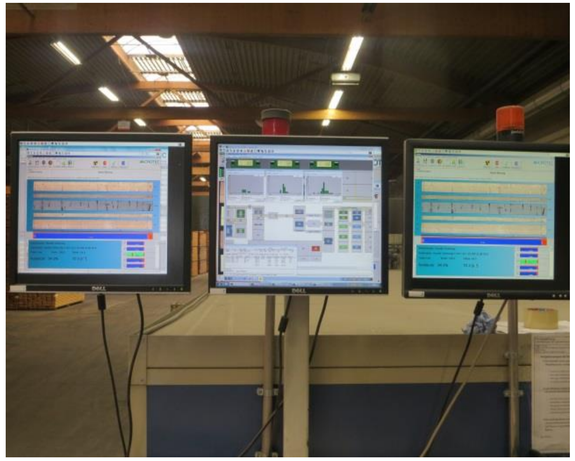
Metal detector.

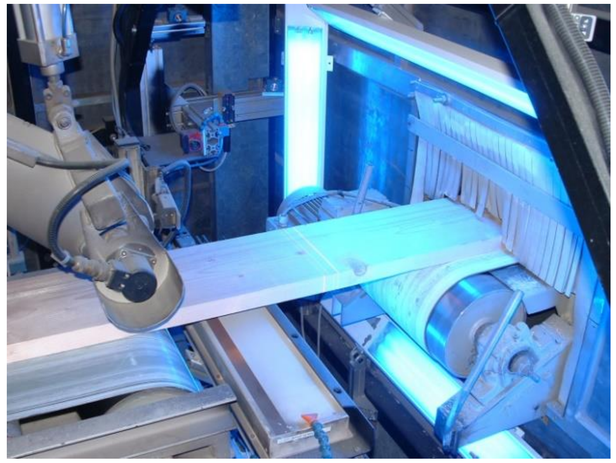
Geometry check with laser.

End grain camera.

Surface camera.

X-Ray.





Application of glue and pressing in form, plus finger jointing to form an endless lamella

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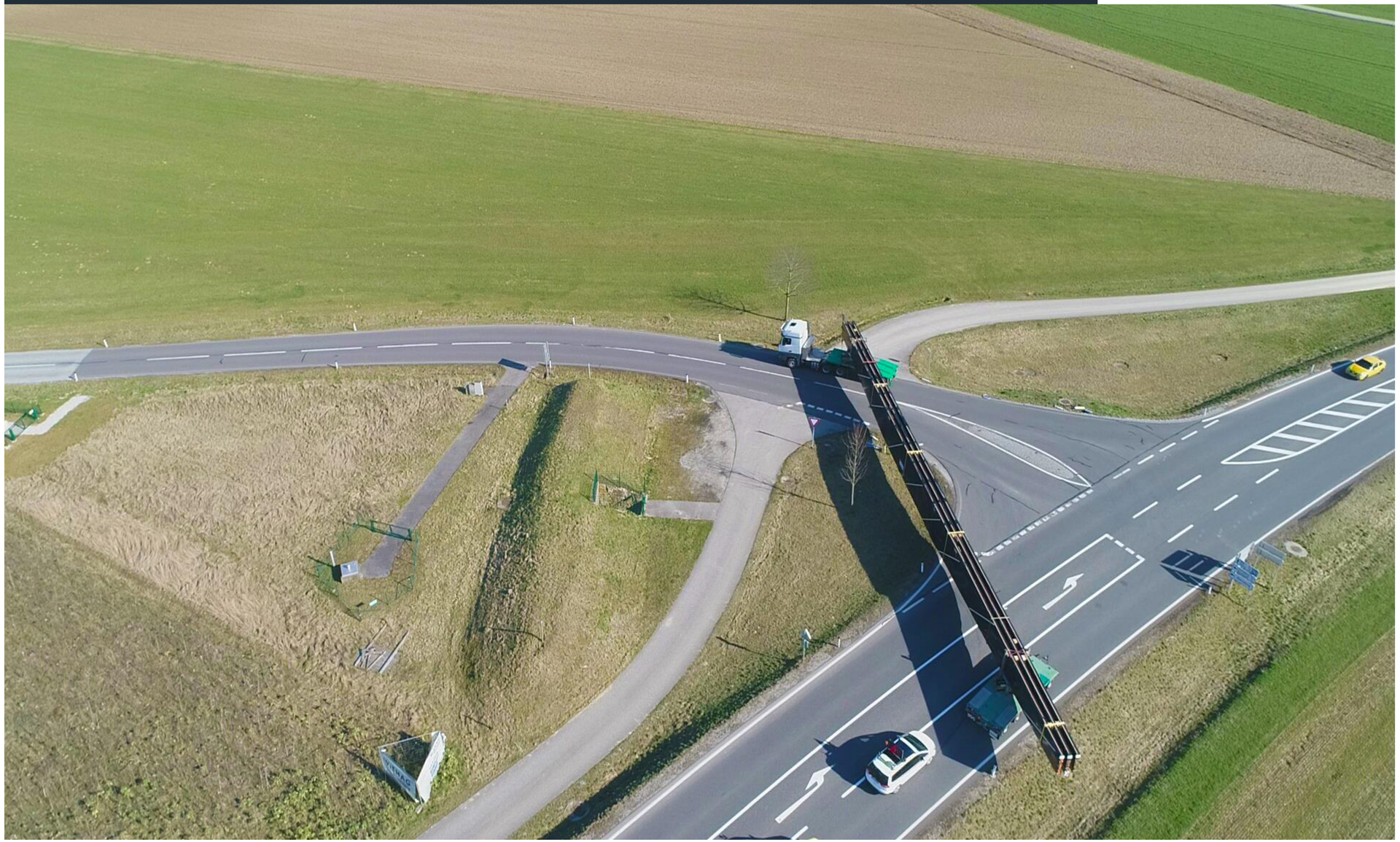
CNC machinery & pre-assembling steelwork connectors

Transport



Installation

Why use Glulam and CLT?

Haus des Brotes - Bakery Museum, COOP Himmelblau

The Ivy Restaurant, London Canada Square

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Less weight.

CANARY WHARF CONTRACTORS

WILLIAM MATTHEWS ASSOCIATES

ARUP

45 LIDL stores successfully completed in the UK & Ireland

Usually cheaper than steel on long span roofs.

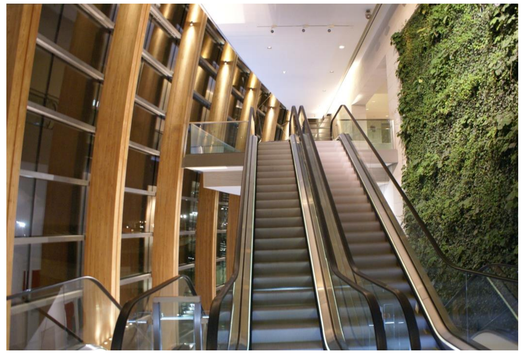
Crossrail place at Canary Wharf

Low maintenance

25 King Street, Brisbane Australia

Speed of construction

The Point Village, Dublin



High tech product made to a high tolerance

Crossrail Station Abbey Woods, London

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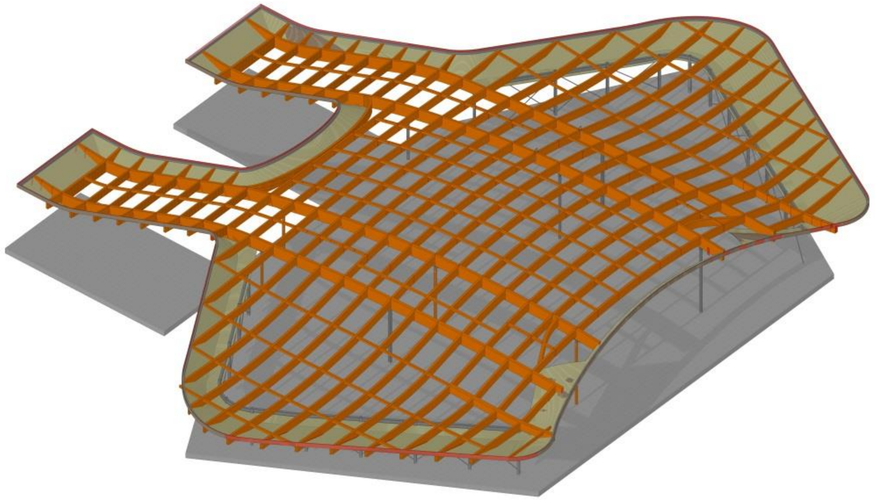

Fereday Pollard Architects

Forms curved members economically.

Bangor Aurora Aquatic and Leisure Complex

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Sustainibility

S & P Architects, McAdam Design

Macallan Distillery, Scotland

Low carbon solution

Freemans School, Ashtead

Highgate Junior School

Contribution to wellbeing / healthy workplace

Tesco‘s Project Heart, Welwyn Garden City

Off site advantages

Center Parcs Longford

Glulam members are less unaffected by aggressive atmospheres.

Import House, East India Quay, London

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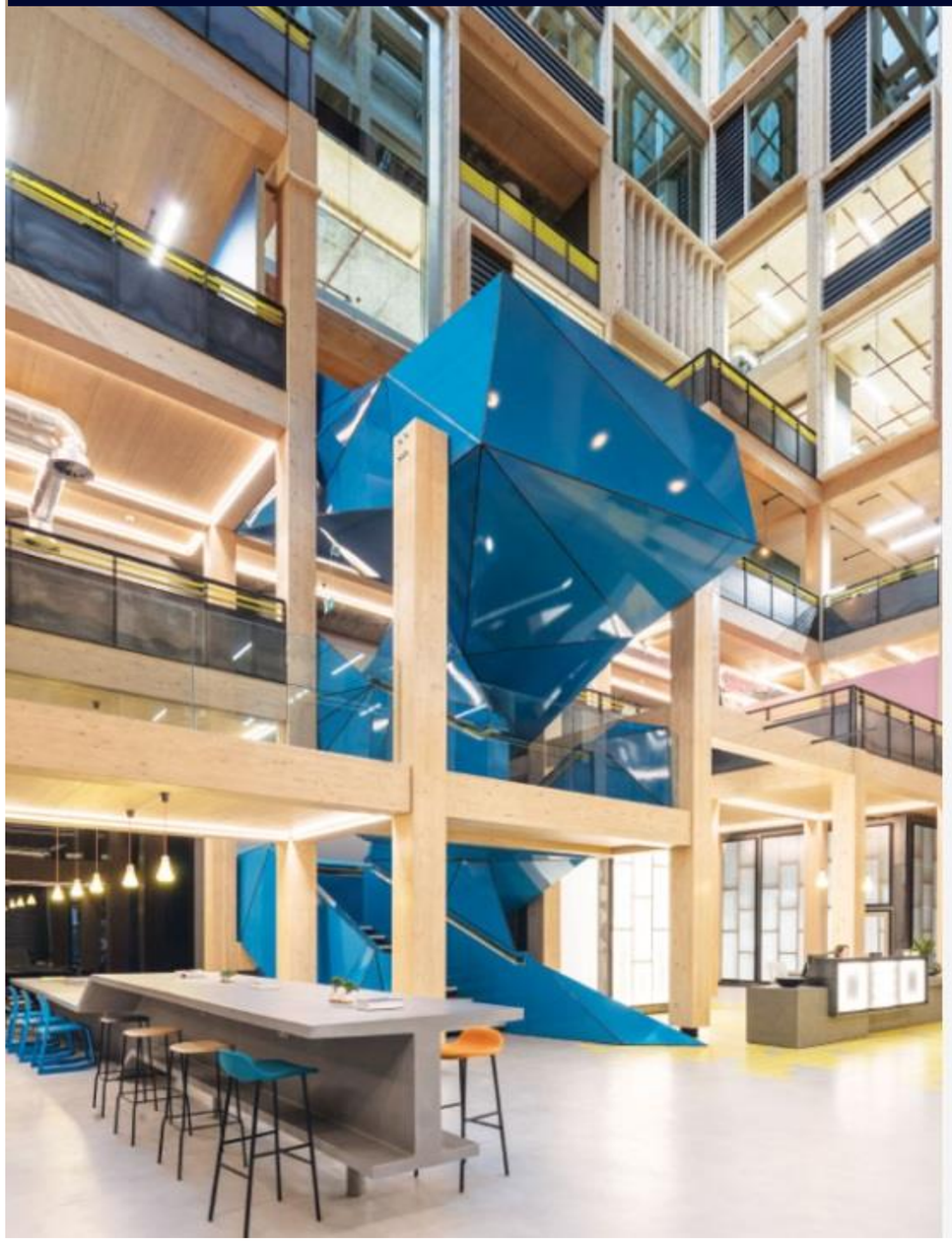
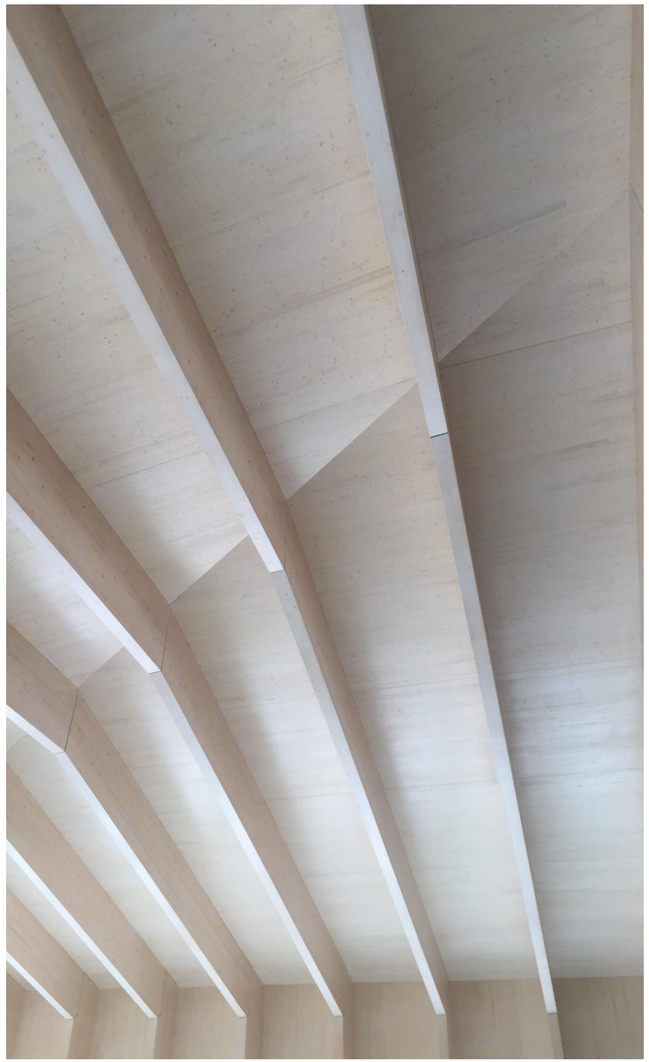


Fire resistance

Studio RHE

The benefits of timber compared to other commonly used construction methods (ie: concrete/ steel)

- Less weight.
- Cheaper than steel on long span roofs.
- Low maintenance.
- Speed of construction.
- High tech, high tolerance product.
- Forms curved members economically.
- Sustainability.
- Low carbon solution.
- Naturally attractive.
- Wellbeing / healthy workplace.
- Off site advantages.
- Less unaffected by aggressive atmospheres.
- Fire resistance.



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Thank you, and any questions?

John Spittle UK Representative

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