Structural Engineering with LVL KERTO®-S+Q - From Bridge to Building Construction Design

Overview Bike + Pedestrian Bridge Construction: LVL Kerto-S + Kerto-Q

Bridge 4-Span Construction:

- 1st span with load bearing roof section above the walkway, L=21,20m span, W=3,20m
- 3-span T-beam construction with an open walkway L= 11m each span, W=3,0m.

Advantage of KERTO®-S/Q:
Large Boards: 1,80 /2,50 * 23 m

- High Strength Material orthotropic Property
- Transverse Strength Property of Kerto-Q \( f_{m,k,90} = 8\text{MPa} \)
- Environmentally friendly ECO-effective Material

Summary in Graphic _#4a:
- Timber Engineering Details!

IBH-SE+L+T+R,
Sophie-Charlottenstr. 9-10,
14059 BERLIN

3D-BIM Visualization, Analysis and Timber Code Design

Metsä Wood - OPEN SOURCE IN WOOD ELEMENTS