

Reference

Kerto LVL in large scale industrial buildings

Cost-effectiveness and environmental values with quick assembly – prefabricated structures for a terminal extension

Customer
DP Schenker

Location
Vantaa, Finland (~2 km to airport)

Products delivered
Kerto® LVL, Kerto Ripa elements, glulam

Key success factors

- Quick assembly and shorter construction time
- Smaller carbon footprint and cost-effectiveness
- Seamless, flexible and transparent partnership

7 10/17/2019 Meika Wood



Reference

Even quality with pre-fabricated structure

Kerto LVL – Ripa prefabricated structures enable a quick assembly when used in large scale industrial buildings.

Customer
Müllerbaustein and Ministry of Transport and Construction / aircraft hangar for police air force

Location
Oberschleißheim, Germany

Products delivered
Kerto LVL Ripa-elements

Key success factors

- Fast installation – up to 1,000 m² of weather protection per day
- Even quality with pre-fabricated structure

8 10/17/2019 Meika Wood



Reference

Urban development on a human scale

Multi-storey wooden buildings can be the most competitive option – aesthetically, environmentally and economically

Customer
Etera


Location
Viikki, Finland

Products delivered
Kerto® LVL, Kerto-Ripa, Kingpanel, glulam

Key success factors

- Wood is a good alternative to concrete and steel
- Significantly reduced construction time
- Greater floor plan adaptability

10 10/17/2019 Meika Wood



Reference

A truly iconic design

Metropol Parasol is one of the world's largest timber engineering construction projects with over 3,400 wooden elements

Customer
City of Seville


Location
Seville, Spain

Products delivered
Kerto® LVL

Key success factors

- Large and complex structures
- Close planning process involving all partners
- Architectural model directly integrated into the programs of the structural designers and the building company
- Integrated with the dense fabric of the medieval inner city

11 10/17/2019 Meika Wood



Reference

A nice "wooden box" became an established market hall in Östermalm

Customer
City of Stockholm


Location
Stockholm, Sweden

Products delivered
Kerto® LVL

Key success factors

- Temporary wooden building kept the prestigious brand alive, while being sustainable and reusable
- Big foundation was out of the question, so lightweight Kerto LVL was a perfect choice

12 10/17/2019 Meika Wood



Reference

Saving a historical bath with Kerto LVL

Customer
Bäderland Hamburg GmbH


Location
Hamburg, Germany

Products delivered
Kerto-Q LVL panels

Key success factors

- The Kerto-Q LVL panels ensured high strength values at a relatively low thickness, with a very high load capacity and dimensional stability
- Pre-fabricated wood elements made the installation process significantly faster

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Reference

Sportcenter shaped to follow the curves of the landscape

Customer
Town of Clamart


Location
Clamart, France

Products delivered
Kerto® LVL

Key success factors

- Long span wooden frame
- Variable curvature of the grillage frame
- High connection strength and prefabricated connections

14 10/17/2019 Miesha Wood



Reference

Modular office concept

Modular design for offices.

Customer
Tapiola Insurance


Location
Tapiola, Finland

Products delivered
Kerto LVL, Kerto-Ripa, King panel, glulam

Key success factors

- Modular design
- Significantly reduced construction time
- Greater floor plan adaptability

15 10/17/2019 Miesha Wood



Reference

Wooden office building

Customer
Kintestis Oy Metsätapiola


Location
Espoo, Finland

Products delivered
Kerto® LVL, glulam

Key success factors

- Impressive and innovative wooden elements as load-bearing structure
- Easily adaptable

16 10/17/2019 Miesha Wood



Reference

Distinctive wood architecture combining the new with the old

Customer
Préfecture de police, Paris


Location
Paris, France

Products delivered
Kerto® LVL

Key success factors

- The light Kerto can be handled on the site without the need for heavy machinery.
- The pre-fabricated frame elements were brought to the site at night and were erected during the day. The difficulties caused by building in a busy city center were minimized

18 10/17/2019 Miesha Wood



Reference

Green roof over tennis court

Customer
Hurlingham Racquet Centre


Location
Fulham, United Kingdom

Products delivered
Kerto-Ripa

Key success factors

- Shallow height of the wooden elements
- Allows to accommodate green roof
- High absorption and minimized reverberation

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Kerto LVL

THE PAST

THE PRESENT

THE FUTURE

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Worlds tallest wooden construction

Mjöstornet stand 80 metres above the ground.

CUSTOMER AND LOCATION
Moelven, Brumunddalen, Norway

ARCHITECT
Voll Arkitekter AS

PRODUCTS DELIVERED
Kerto® LVL Q-panels

Why LVL in Mjöstower?

- Kerto LVL gives sufficient strength and light weight
- Strong and durable Kerto Q sheets are used to stiffen the intermediate flooring elements.
- Kerto LVL Q-panels in the floor elements help in the secondary load bearing by transferring wind forces to the structure.
- Cost efficient solution
- "As a glulam manufacturer, we strive to use our own material to the largest possible extent. However, Kerto LVL is a superior material for the top plate and end beams," says **Rune Abrahamsen**, CEO at Moelven Limtre

Kerto LVL

THE PAST

THE PRESENT

THE FUTURE

Make it EASY to design

Construction is local & fragmented

Empower designers

Share knowledge

Improve EFFICIENCY

Competing with total cost, not just material cost

Fast, Light & Green


Need for Off-site builders

BEFRIEND
Construction Companies

Wood construction = RISK

Hybrid building

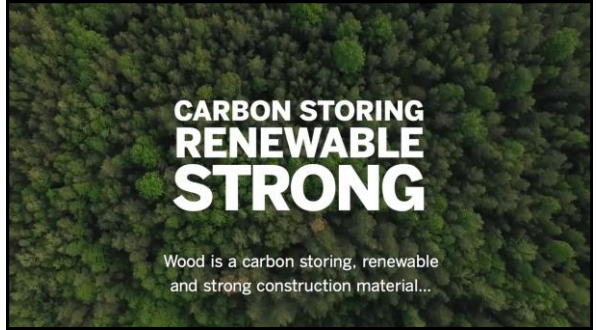
Existing processes



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CARBON STORING
RENEWABLE
STRONG

Wood is a carbon storing, renewable
and strong construction material...



Metsä