Future Outlook of European Wood Industries

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Wood construction: Good in the past - Fit for the future

Himeji Casel, Japan

Japanese pavillon (Expo), Hannover / DE
Building with wood

The ideal solution for

- New private and public construction
- Repair and renovation
- Extending the existing building stock
Wood adds beauty to cities and provides a pleasant living environment
Japanese Wood Buildings

- Nara Tempel
- Kiyomizudera Temple
- Nijo Casel
Exhibition Hall, Friedrichshafen / DE
German exhibition hall, Hannover / DE
Conifer Wood

- Slow growth in tempered climate zones such as Europe
- Long fibers
European Production

- Structural sawn timber
  - Kiln dried and planed
  - Strength graded
  - Quality control

Structural solid timber
Finger-jointed solid timber
European Production

- Engineered products
  - Posts and beams
European Production

- Engineered products
  - Glulam:
    Standard sizes and tailor-made
Glulam: Standard sizes and tailor-made
European Production

- Engineered products
  - Cross laminated timber (panels)
Characteristics of Cross laminated timber

At a glance

- Ecological building material
- Technical certificated material
- Outstanding structural properties
- Prefabricated, ready-to-assemble elements
- Short building time due to dry construction
- Recommended for environmentally compatible architecture
- CO² storage, climate positiv
Cross laminated timber
Cross laminated timber
Cross laminated timber
Cross laminated timber
Cross laminated timber
Cross laminated timber
Quality control

- Production according to European performance standards (EN)
  - Prescribed technical features
- CE-marking
- Internal and external quality control schemes
Advantages of wood construction

- Environmentally friendly and respectful treatment of resources
- Impressive architecture
- Natural beauty
- Health
- Easy handling
- Perfect isolation
- Safe, shortweight, powerful and long-lasting
Wood: the right choice for the environment

- Wood products are carbon stores
- 1 m³ of wood stores 1 tonne of CO₂
- Using wood helps in the fight against climate change
Wood construction

• Growing at European level
  – Low energy and passive housing
  – Earthquake safe (e.g. Italy 2009)
  – New techniques allowing for new applications
    • Big spans, bridges, ...
Wood construction
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Sawn softwood production developments - EOS / ISC countries

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Production of conifer timber in Europe

- Wood supply secured through sustainably managed forests
  - growing standing volume
  - growing forest area

- Production capacity much higher than actual production
  - Opportunity for future supply
Conifer timber

An internationally traded product.
Europe is the net exporter of conifer timber to the world.
Our future lies in building with wood!

Thank you for your attention!

Alfred Jechart