

Directors' report

FACTS ABOUT NORSK TRETEKNISK INSTITUTT

Norwegian Institute of Wood Technology (NTI) is a private research association for the sawmills and the timber industry in Norway. Our 123 member companies represent sawmilling, woodworking, glulam, roof truss and timber frame industry, as well as related industry. The institute has 34 employees. Our main tasks are research and development projects, quality control, quality documentation, laboratory tests and diffusion of knowledge from R&D work for the Norwegian timber industry.

VISION STATEMENT

NTI shall be the preferred R&D and knowledge partner for production and use of wood in Norway.

BUSINESS IDEA

The Institute shall contribute to profitability of the member companies by using updated knowledge about wood, its properties, processing methods and usage. The means to succeed in this, are R&D by objectives, distribution of knowledge, consulting and quality documentation.



Norsk Helsearkiv

FINANCING

The total turnover for 2019 was 48,0 MNOK. The membership fee amounted to 9,8 % of the turnover. Foreign sales accounted for 24 % of all assignments and projects.

QUALITY DOCUMENTATION AND CERTIFICATION

Testing laboratory and inspection body

NTI plays an important role as testing laboratory, certification- and inspection body. The demand for these kinds of services are increasing, due to authorities' requirements for documentation, and the market demand for documented product properties. The Institute has invested in competence, laboratory equipment, well working quality system and formal status to be an internationally recognized testing and inspection body for the timber industry.

Since 1994, the laboratories have been accredited for mechanical testing after EN ISO/IEC 17025.

Certification and inspection body

From 2015 NTI has been accredited for certification after EN ISO/IEC 17065. The Institute is appointed by the Ministry of Trade and Industry as notified body for attestation of conformity with the Construction Products Regulation (CPR). This applies to structural timber products and wood-based panels. This means that the institute can perform testing, inspection and certification as basis for CE marking of building products.

NTI has for several years worked with product certification, for JAS (Japanese Agricultural Standardisation) and CE marking. NTI is as well appointed as a notified body for PEFC certification and do FSC revisions in cooperation with Orbicon for certifications through Soil Association.

PEFC

PEFC documents that a product originates from certified wood, verified by a third body. Both EUTR (EU's timber regulation) and BREEAM-NOR requires such certifications.

Japan – JAS certification

The Institute has gained a leading position in Europe concerning JAS certification of glulam. 18 glulam companies, 4 sawmills and 1 CLT company now have their JAS certification through NTI. The volume of glulam exported to Japan from companies certified through NTI amounted to 634 139 m³ in 2019.

Quality control schemes

NTI is for the time being inspection body and/or testing laboratory for the following quality control schemes, certification and approval bodies:

- Norwegian Strength Grading Inspection Scheme.
- Norwegian Control Scheme for Preservative Treated Wood.
- Norwegian Glulam Control for end jointed materials for load bearing constructions.
- Fire Control Scheme for the Wood Working Industry.
- Control Scheme for Norwegian log houses.
- Technical Approval of Building Elements (SINTEF Byggforsk).
- Inspection of painted wooden cladding.
- JAS (Japanese Agricultural Standards).
- CE marking of glulam.
- CE marking of structural timber.
- CE marking of finger jointed structural timber.
- CE marking of particleboards.
- CE marking of roof trusses.
- CE marking of fire protected claddings, panels and boards.

INTERNATIONAL COOPERATION

InnovaWood

InnovaWood is a European association of organisations working as R&D and education providers. The organisation represents the research and education society cooperating with industry, e.g. in connection with the technology platform.

COST

NTI is participating in several COST-actions.



Flesberg skole.

CEN

NTI is involved in several CEN committees. The European standards from CEN are of great importance for the competitiveness of the industry.

Tall wood buildings

NTI is involved in Nordic network research on tall buildings in wood. Focus areas are statics, sound acoustics and fire resistance. There is as well cluster to cluster cooperation on the same topics, and NTI is participating in the Horizon 2020 project Build-in Wood which consortia was established in this network.

R&D

Half of the annual turnover at NTI is R&D-related work on various aspects regarding production and use of wood, both for member companies and other partners. These activities are defined research projects funded by the Research Council of Norway, Innovation Norway, Horizon 2020 or other funding agencies. Some of these activities are also directly funded by the companies that exploit the work of NTI personnel.

PROSPECTS

There is an increasing interest in building with wood, and as such NTI has a great potential to contribute to improved and correct production and building with wood in Norway.

JAS glulam exported by factories certified by NTI

(No. of factories in paranthesis)

