

Norwegian Institute of Wood Technology (NTI)

General

NTI was established in 1949 in order to carry out research and professional service, development and know-how for the benefit of the Norwegian timber industry. The institute has about 175 members. The majority of the members are sawmills responsible for 95 % of Norway's industrial timber production. Other members are both customers and suppliers of machines and services to the timber trade.

In 1994 Norwegian authorities accredited NTI's test laboratories according to EN 45001 for mechanical and chemical testing of wood and wood products. We also provide neutral controls of timber products and operators enabling the timber industries to document the quality of their products to customers at home and abroad. We have agreements with organisations in other countries, e.g. TRADA Certification in UK, FMPA in Germany and SKH in the Netherlands.

As the first institution in Europe, NTI was in 1996 designated as a "Foreign Testing Organisation" (FTO) in the Japanese JAS system. The main product is structural glued laminated timber, and NTI has certified more than 20 factories in Europe according to JAS.

Projects

NTI is involved with many projects in close co-operation with the Norwegian timber industry, e.g. Multi Storey Timber Frame Houses, Timber Bridges, Timber Noise Barriers, Timber Guard Rails, Tensile Strength of Glulam Lamellae.

Reliability Analysis

NTI is not very much involved with research projects regarding this topic. We are participating in the Nordic project "Timber & Reliability" with Hans Jørgen Larsen, Denmark as the project manager. We have many test results regarding strength and stiffness of timber and glulam from many projects and control tests. We are analysing these test results and are comparing safety levels with the other Nordic Countries.

International network

NTI is heavily involved with international research organisations, like IUFRO and CIB. We are also active in many CEN and EOTA technical committees, as representatives from Norway. Many COST Actions have also members from NTI.

Oslo 2001-04-18
Erik Aasheim/NTI