



FURNITURE
& CONSTRUCTION



METSÄ LIGO – TURNING INDUSTRIAL SIDE STREAMS INTO HIGH VALUE MATERIALS



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Metsä Ligo™ is a forest-based bioeconomy innovation under development in Metsä Group. Metsä Ligo™ is a novel wood lignin-based high-performance biopolymer product family. In Metsä Ligo™, part of the lignin, a side stream from pulp production traditionally used for bioenergy, is converted into a high-value renewable material capable of replacing fossil-based chemicals.

Metsä Group has built together with Andritz a novel lignin products demonstration plant in Äänekoski, Finland. The plant with nominal capacity of two tonnes per day was started in the beginning of 2026.

Metsä Ligo™ can add value as a plasticizer, dispersant and functional additive in various end-use applications. Metsä is working in collaboration with Dow to develop applications for the construction sector, notably bio-based plasticisers for concrete and gypsum products.

By creating new value chains from renewable raw materials already available in industrial processes, Metsä Ligo™ aims to demonstrate how the forest sector can deliver scalable solutions for Europe's circular bioeconomy.

