

## Mjøstårnet – the world's tallest timber building

Dienstag, 16. April 2019

17:00 Uhr

Auditorium HIL E 1 (Lehrgebäude Bauwesen)

ETH Zürich, Hönggerberg, 8093 Zürich

Rune Abrahamsen

Mr. sc. Structural engineering. CEO

Moelven Limtre

Moelv, Norway



Photo: Nina Rundsveen, Moelven

Mjøstårnet is an 85 m high mixed-use timber building in Brumunddal that was completed in March 2019. It is ratified by CTBUH as the world's tallest timber building.

Mjøstårnet consists of offices, technical rooms, 32 apartments, 72 hotel rooms, one hotel suite on level 15, a restaurant, a conference room on level 17 and a rooftop terrace.

The main load bearing consists of large scale glulam trusses along the facades as well as internal columns and beams. The trusses handle the global forces in horizontal and vertical direction and give the building its necessary stiffness. Cross-laminated Timber (CLT) walls are used for secondary load bearing of three elevators and two staircases, but do not contribute to the building's horizontal stability.

Anschliessend an den Vortrag ist ein gemeinsames Nachtessen mit dem Referenten im Restaurant Die Waid, Waidbadstrasse 45, 8037 Zürich vorgesehen.

Nächster Vortrag: Dienstag, 14. Mai 2019, 17:00 Uhr, HIL E 1  
Fred Baumeyer und Alexander Ducksch, Basler & Hofmann AG  
"Das Hangsicherungstragwerk ETH GLC"