

Hybrid City Challenge



In an urbanizing world, we face the ever-growing need for housing. We need to build millions of new buildings while simultaneously taking care of the environment. Wood is the only major construction material that stores carbon. This is why we need to use more of it.

However, this cannot sacrifice efficiency. We need to support construction companies to use more wood by creating elements, modules and concepts that fit the way they construct today – and to make wood, steel and concrete work as one.

This is why we created the Hybrid City Challenge.

Open Source Wood calls for building engineers, construction companies and architects to join in the initiative in finding the world's best solutions towards more efficient, sustainable, modular and industry compatible ways to build.

Learn more about Hybrid City at planb.metsawood.com.

The brief

Design an element, module or concept. Select an existing multi-storey building made of non-wooden materials. Choose an element used in the building and redesign it using Kerto LVL (laminated veneer lumber) as the main material.

Criteria:

The design should be

- **sustainable** (uses Kerto LVL as main material),
- **efficient** (modular and fits the current way of building) and
- include adequate amount of **information and design materials** for actual construction projects.

Learn more about Kerto LVL: [Kerto LVL product page](#) | [Kerto LVL manual](#) | [European LVL Handbook](#)

Competition details:

- Competition ends on 31.5.2020 at 24:00 CET
- All entries must be uploaded to the Open Source Wood platform. Use keyword **Hybrid City**.
- All participants must have registered and created a profile at www.opensourcewood.com with a profile picture and sufficient personal information.
- The entries are licensed under Creative Commons Attribution 4.0 (CC BY 4.0) – as with all Open Source Wood uploads.
- Participants acknowledge that Metsä Wood has the right to publish the name and idea of the winner for promotional purposes without financial remuneration.
- Metsä Wood cannot be held liable for any lost or stolen entries, prizes, or contest information. Metsä Wood is not responsible for any computer or electronic malfunction, server unavailability, technological glitch, or human error relating to this contest.
- Metsä Wood reserves the right to make rules and contest changes and change the aforementioned contest dates.
- The recipient of the reward undertakes the responsibility for all taxes and public charges payable on the reward. The reward may be subject to regulatory withholdings and deductions.



Awards

The winners will be chosen by a group of experts within the Open Source Wood Community. Evaluation is done based on the designs efficiency, sustainability, practicality and the level of provided information and design materials.

- **Winner: €10,000**
- **2nd and 3rd: €5,000**

Organiser withholds the rights to allocate the prize money between the best entries, as sees fit.

In addition Metsä Wood also continuously rewards the best ideas shared at opensourcewood.com and all the entries of this challenge are eligible.

The recipient of the reward undertakes the responsibility for all taxes and public charges payable on the reward. The reward may be subject to regulatory withholdings and deductions.

The winner will be contacted personally by e-mail or telephone during June 2020. If the winner cannot be notified within fourteen (14) days, then the prize will be forfeited, and the prize will be awarded to an alternate winner chosen by the jury.

Competition entries

Competition entries are returned through "Share Idea" form found at www.opensourcewood.com. To be eligible for the competition the submission form must be marked with keyword "**Hybrid City**" and returned at the latest on **31 May 2020**. All participants must be registered and have created a profile to Opensourcewood.com with a profile picture and sufficient personal information. In case of a team entry, all members must have an account and all names of team members listed in the description field of the entry.

Design should be documented with the formats supported by the form (listed below) and so that it demonstrates the use of the Open Source Wood elements. Design can be presented with the following information (obligatory fields are marked with*).

- Design title*
- Design description*
- Key benefit*
- Ecological value*
- Profile picture for the design*
- Main structure design document (PDF)*
- Other images (JPG, PNG)*
- Detailed drawings (DWG)
- Attachments (PDF)
- Links (video, website etc.)
- Materials for design software e.g. CAD, 3D model or BIM object