

carbon-neutral building with prefabricated modules in wood



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Development of Vehol is a spin-off initiative from:



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Vehol™ is a sustainable, efficient building system in wood.
A prototype is in development and can be tested in 'pilot' projects.

Vehol building elements consist of wood - partly solid wood - and of wood fibre combined with cellulose. The system will be produced without glue. Only the mounting of the system involves using a few metal parts. Vehol elements can be entirely recycled and will be produced of timber from regional, sustainable forestry. The elements have a high insulation value. Using this system, it is possible to build passive houses with an outer wall thickness of approximately 35 cm - 39 cm. Buildings constructed in Vehol are flexible, provide a healthy indoor climate and have a long life-time.

Vehol comprises sandwich elements for walls, floors and roofs. Because of its standard modular dimensions, the system can be combined with several other building products. The elements have a low weight; therefore it will be sufficient to use only a minicrane on the building site. It will be possible to mount the elements under a rain cover. If necessary, the covered part of the building site can be heated. Hence the construction works can continue in case of rain, snow or frost.