



general information

module name	hsbPANEL
target group	Solid Timber / Cross Laminated Timber (like KLH, StoraEnso CLT etc.) and structural insulated panel (SIPS) manufacturers and distributors, architects
fields of application	Buildings of Cross Laminated Timber, panelized houses (walls, floors, roofs), prefabrication of buildings
system requirements	hsbTIMBER for further Information see data sheet hsbTIMBER

features

general features	<p>All in One: object oriented solution for 3D-CAD/CAM from architecture to cnc open and scalable CAD-System through AutoCAD[®] and AutoCAD Architecture[®]</p> <p>One Intelligent 3D model for any kind of timber construction</p> <p>Throughput dataflow (architectural design ↔ manufacture design ↔ production plan)</p> <p>Advanced editing of each single object (beams, sheets, metalparts, tools)</p> <p>Full Integration of Panels in the Display Configuration of AutoCAD Architecture</p> <p>User definable panel styles (components, dimensioning features, corners, T-connections, end of walls etc.)</p>
architecture	<p>Floorplan and building design for architecture and manufacturing</p> <p>architectural stairs and dimensioning</p> <p>High-End-Visualisation and photorealistic Images</p> <p>Extensive Library for Architectural Design, e.g. Interior etc.</p>
production planning	<p>Integration with architectural design otherwise design walls elements with hsbFunctionality</p> <p>user defined layout for representation of wall-elements</p>
tools, edit-functions	see hsbTIMBER
database	see hsbTIMBER
output	<p>fully automatic shopdrawings (configurable)</p> <p>100% configurable layouts for floorplans, elementdrawings etc.</p> <p>Editable Element drawings with automated dimensioning</p> <p>clash detection for timbers and toolings</p> <p>user defined bills of material based on Microsoft Excel (beams, plates, tools, metalparts etc.)</p> <p>optional: CNC-data (e.g. Uniteam, Hundegger)</p>
data-format	output format for elements as an ASCII-format containing total information of a panelized element
further notes	<p>works together with dynamic macros written in hsbTSL</p> <p>optional: Export of 3D-model to RSTAB for structural analysis</p>
compatible with	hsbTIMBER, hsbELEMENT, hsbWALL, hsbLOG, hsbBSH