



Intars Dīcmanis
MiTek Baltic vadītājs
Rīga 2021/11/12

Konektorkopņu industrija Latvijā (2008-2021)

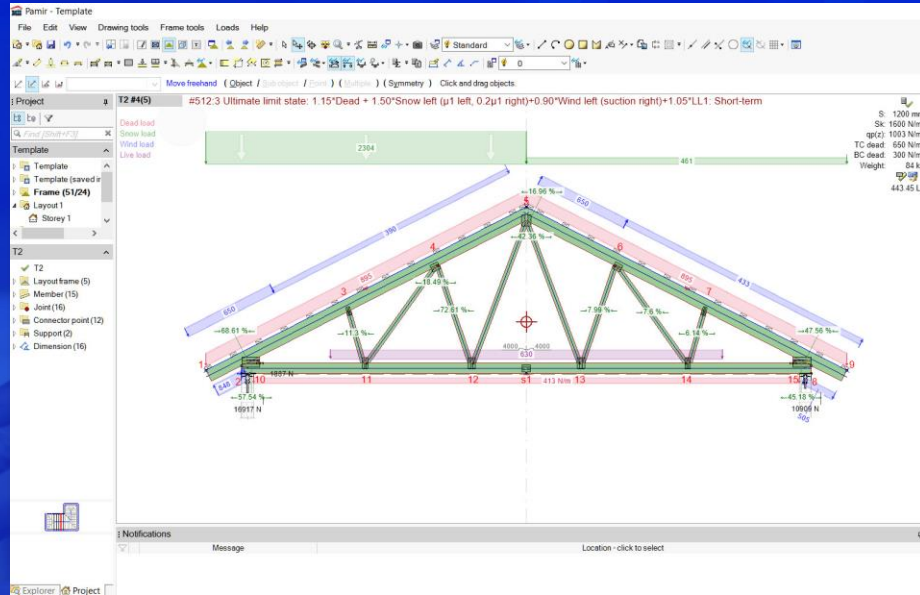


Programmatūra

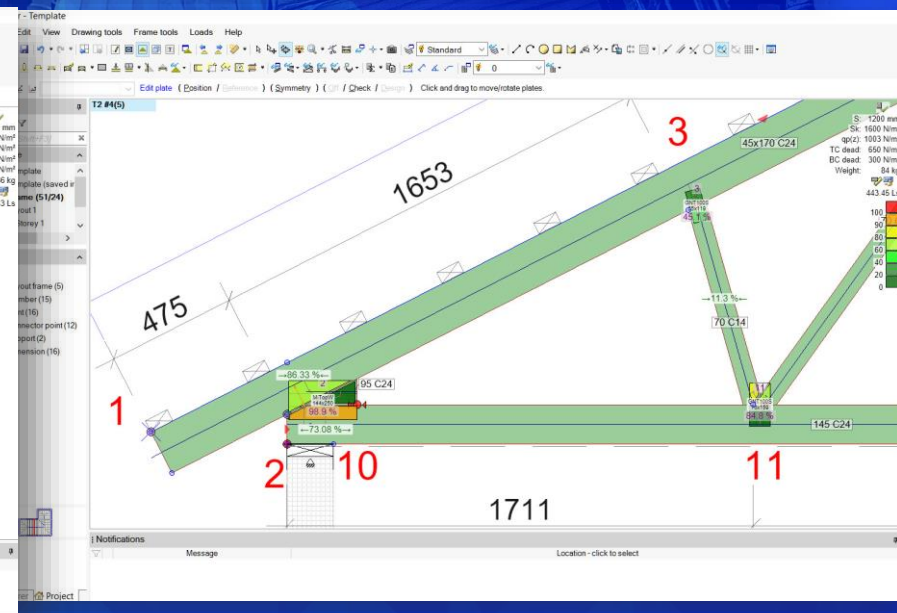
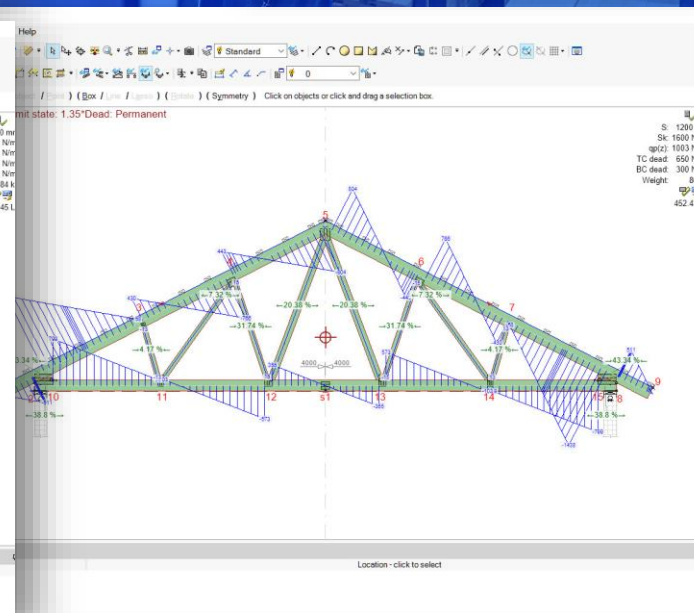
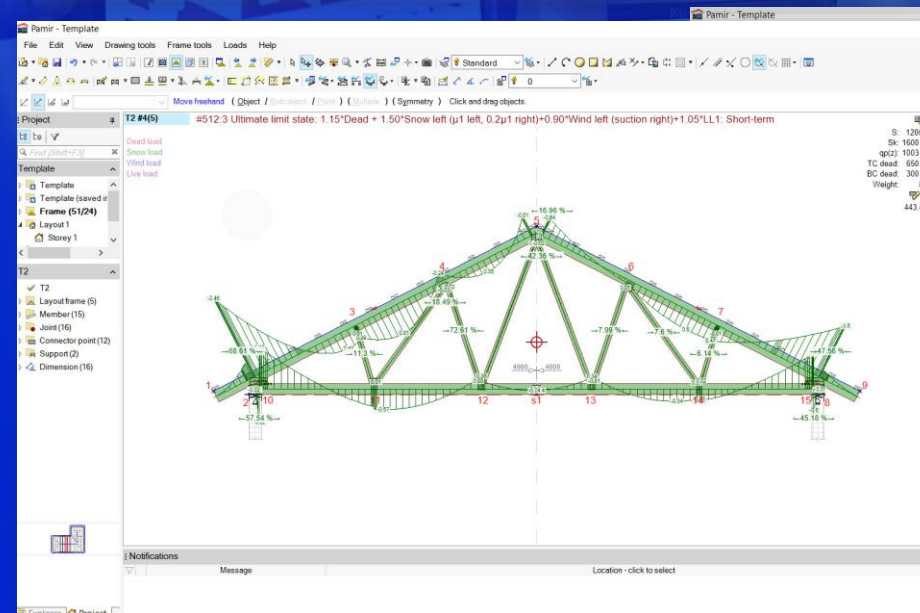
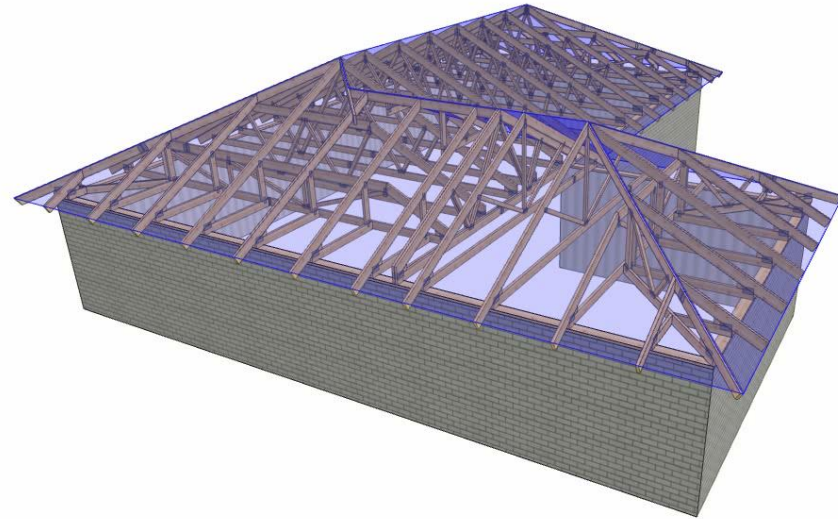


PAMIER

Konektorkopne



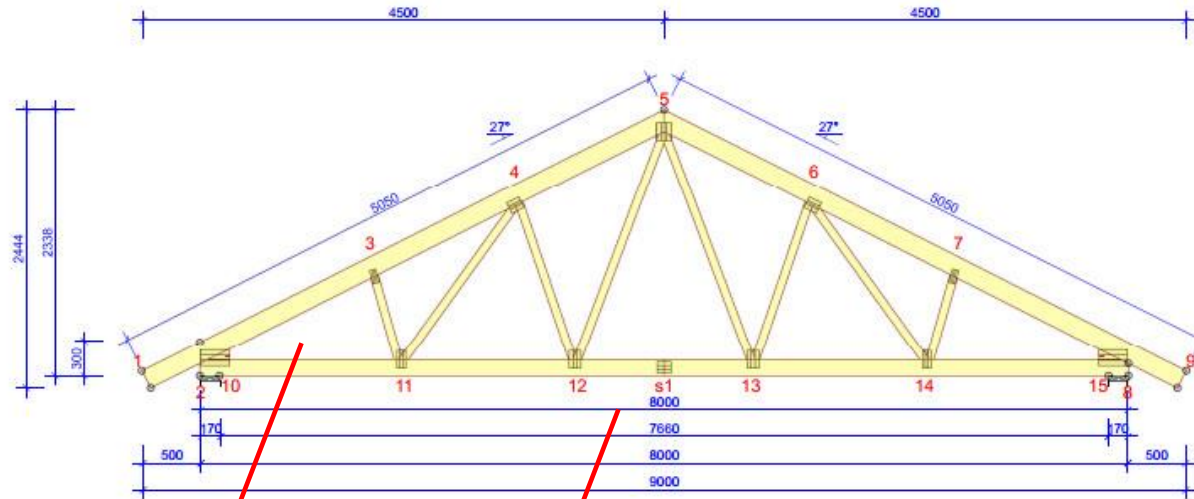
Layout 1 + Storey 1 (3D)



PAMATINFORMĀCIJA PAR KONSTRUKCIJU

T2 - 5 no.

BRACINGS ACCORDING TO TIMBER TABLE AND STABILITY OF THE TRUSS SYSTEM SHALL BE DESIGNED SEPARATELY



GENERAL DIRECTIONS

THE STRUCTURE HAS BEEN CALCULATED USING
COMPUTER PROGRAM "PAMIR",
MiTek Baltic - LICENSE: 15300
DESIGN CODE: EN 1995-1-1:2004 + A2:2014 + LV NA:2010
FULL DESIGN RESULTS AS PER CALC. PRINTOUT

GENERAL SETTINGS

TIMBER THICKNESS (mm): 45
TRUSS WEIGHT (kg/ply): 84
TRUSS CENTRES (mm): 1200
LOAD SHARING FACTOR: 1.1
SERVICE CLASS: 2 = 65% <= RH < 85%
BRACING: SEE TIMBER TABLE

LOADS (N/m²)

SNOW LOAD (Sk): 1600 N/m²
WIND LOAD (qp(z)): 1003 N/m²
LIVE LOAD ON BOTTOM CHORD: 500
DEAD LOAD ON ROOF: 650
DEAD LOAD ON CEILING: 300

SUPPORT REACTIONS (N) (ULTIMATE)

JOINT no	DIR.	LC P/L MAX	LC M MAX	LC S MAX	LC I MAX	LC I MIN	S-W mm
2	HOR.	0	0	-3145	0	-	-
2	VER.	7180	18204	19381	0	0	100
8	VER.	7180	18204	19381	0	0	100

MAX DEFLECTION (mm) (SERVICEABILITY)

JOINT no	VER.	HOR.	LC NO.
11-12	5.6	0.5	1002:1 (Winst)
13-14	5.6	1.2	1002:1 (Winst)
7-8	0.4	2	1002:1 (Winst)

FOR DEFLECTIONS AT OTHER POINTS - SEE CALC. PRINTOUT

TIMBER THICKNESS 45 mm				
JOINT FROM - TO	DEPTH mm	GRADE	BRACING mm/no.	CSI %
1-5	170	C24	400	87
5-9	170	C24	400	87
2-8	145	C24	Sheeting	74
3-11	70	C14	None	12
4-11	70	C14	None	19
4-12	70	C14	None	73
5-12	70	C14	None	43
5-13	70	C14	None	43
6-13	70	C14	None	73
6-14	70	C14	None	19
7-14	70	C14	None	12
2-10	95	C24	None	0
8-15	95	C24	None	0

FASTENERS - SPLICES EXCL				
JOINT no	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
2	MiTopW	144	250	99
3	GNT100S	55	119	46
4	GNT100S	103	119	63
5	GNT100S	130	159	99
6	GNT100S	103	119	63
7	GNT100S	55	119	46
8	MiTopW	144	250	99
11	GNT100S	76	159	85
12	GNT100S	103	159	78
13	GNT100S	103	159	78
14	GNT100S	76	159	85

FASTENER LOCATION TOLERANCE: 8 mm

FASTENERS - SPLICES				
JOINT no	PLATE TYPE	WIDTH mm	LENGTH mm	CSI %
s1	GNT100S	103	119	92

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PAMIR

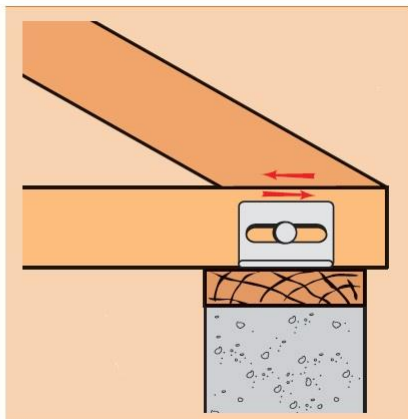
10/01/2020 - 12:32
8.1 SR1 (114539)

Designer
Supervisor
Main engineer
Cert. no

Customer:	Project no:
Project name:	Mark:
Project address:	Revision:
Page name:	Page no:
	1/1
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Pareiza būvkaluma izvēle

ACRL10520



Girder Truss Hanger Performance

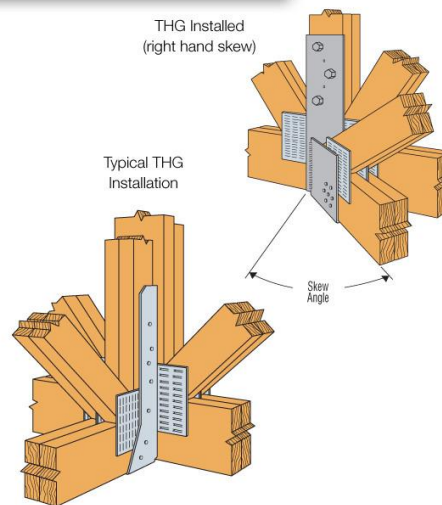
Ir atvērts pilnkrāna režīms.

Iziet no pilnkrāna režīma (F11)

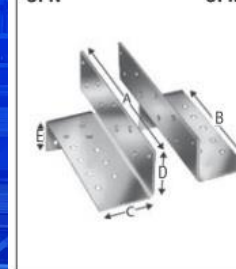
THG Performance Data

Model No.	Support Pys	Safe Working Loads Medium Term	Characteristic Capacities (kN)
THG2	DBL 35	15.40	27.92
	DBL 47	20.53	27.92
	TPL 35	21.88	27.92
	TPL 47	25.20	27.92
THG3	DBL 35	23.10	35.71
	DBL 47	30.79	35.71
	TPL 35	32.81	35.71
	TPL 47	35.03	35.71
THG38	DBL 35	23.10	33.36
	DBL 47	30.79	33.36
	TPL 35	32.81	33.36
	TPL 47	35.03	33.36
THG48 (W-80)	DBL 35	30.8	36.20
	DBL 47	38.90	36.20
	TPL 35	38.90	36.20
	TPL 47	38.90	36.20
THG48 (W-105)	DBL 35	30.80	55.84
	DBL 47	38.90	55.84
	TPL 35	38.90	55.84
	TPL 47	38.90	55.84
THG4	DBL 35	30.80	48.64
	DBL 47	38.90	48.64
	TPL 35	38.90	48.64
	TPL 47	38.90	48.64

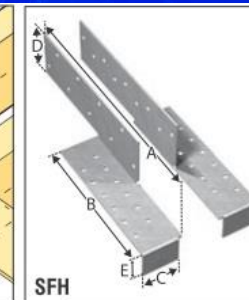
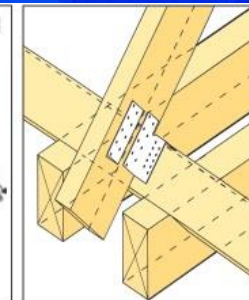
THG Installed (right hand skew)



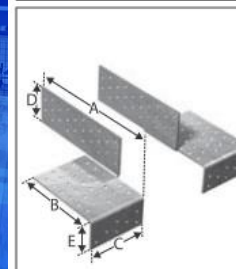
SFN



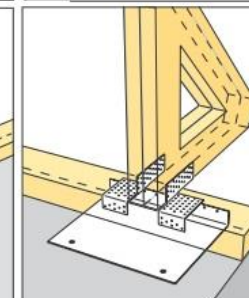
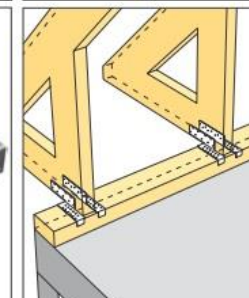
SFM



SFH



SFHS



Skewable Angle (LS)

LS

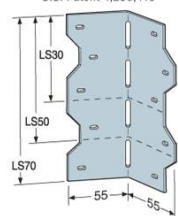
Designed to attach timber members at irregular angles, these connectors can be bent on site from 0° to 135°.

The staggered nail pattern reduces the possibility for splitting and allows installation on both sides of the member.

INSTALLATION: Use all specified fasteners. See "General Notes" (page 12). Angles should be bent to suit installation only once. Joists must be constrained against rotation (for example, with solid blocking) when using a single LS Angle per connection.

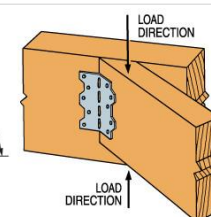
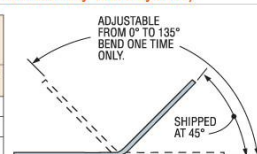
[Go Back > | LS Tech Data PDF > |

U.S. Patent 4,230,416



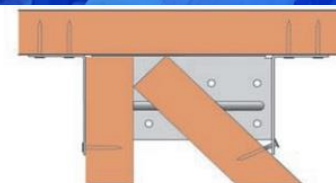
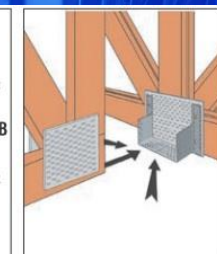
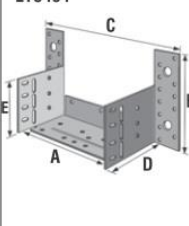
Skewable Angle (LS) Performance Data (Updated: Monday 17th May 2010)

Model No.	Length	Fasteners (3.75mm x 75mm)	Safe Working Loads (kN)
LS30	85	6	1.29 1.60
LS50	124	8	1.73 2.16
LS70	162	10	2.16 2.58

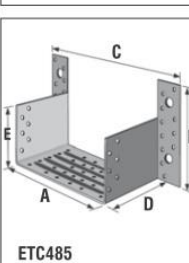


1. Loads are for one part only.
2. Minimum timber thickness to achieve table load is 45mm. For 35mm timber, use 81% of the table load.

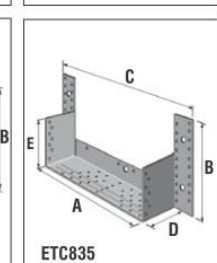
ETC434



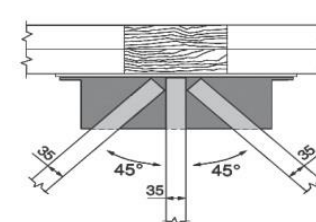
ETC 835
POŁĄCZENIE TRZECH
ELEMENTÓW



ETC485



ETC835



Mono Truss Shoe Girder Hanger (LUS/HUS/HGUS)

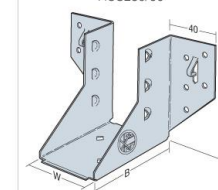
These joist hangers are for supporting mono trusses and girder trusses from timber members.

LUS/HUS
CE

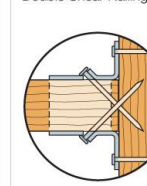
The feature double shear nailing which allows the distribution of the carried member's load through two points on each nail for greater strength. It also means faster installation with fewer nails.

[Go Back > | LUS/HUS Tech Data PDF > |

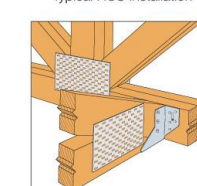
HUS230/50



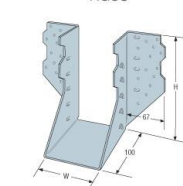
Double Shear Nailing



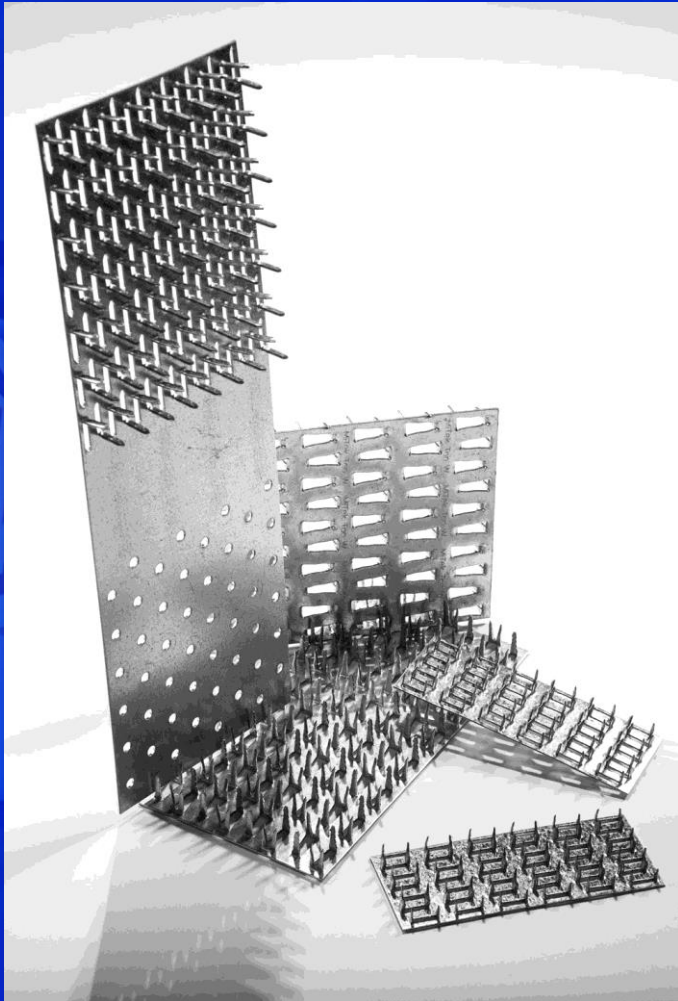
Typical HUS Installation



HGUS



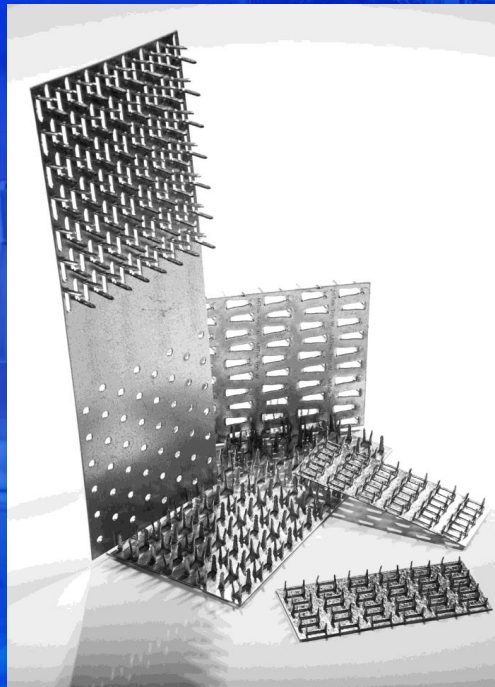
Naglu plates



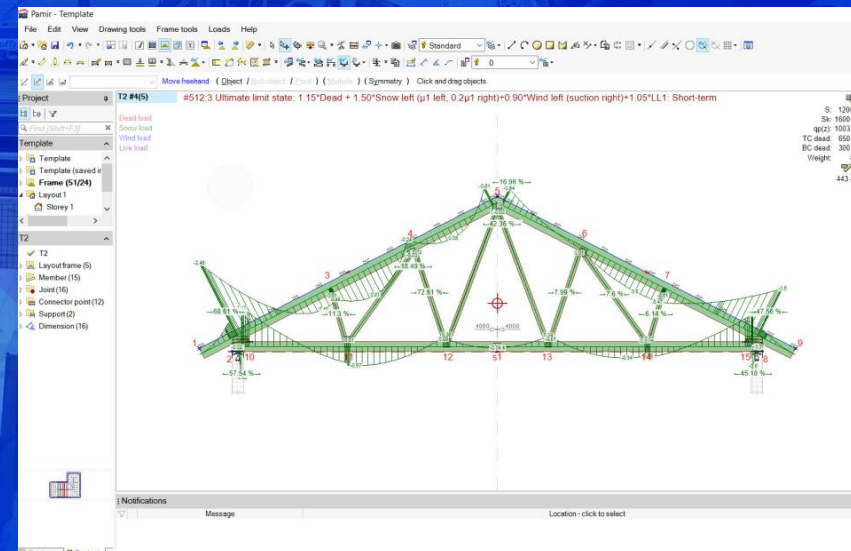
Plāksnēm ir jābūt sertificētām un atbilstošām visām kvalitātes prasībām, kā arī saražotām atbilstoši standartam EN 14545, un mehāniski testētām laboratorijā.

Konektorkopne!

PAMIR+



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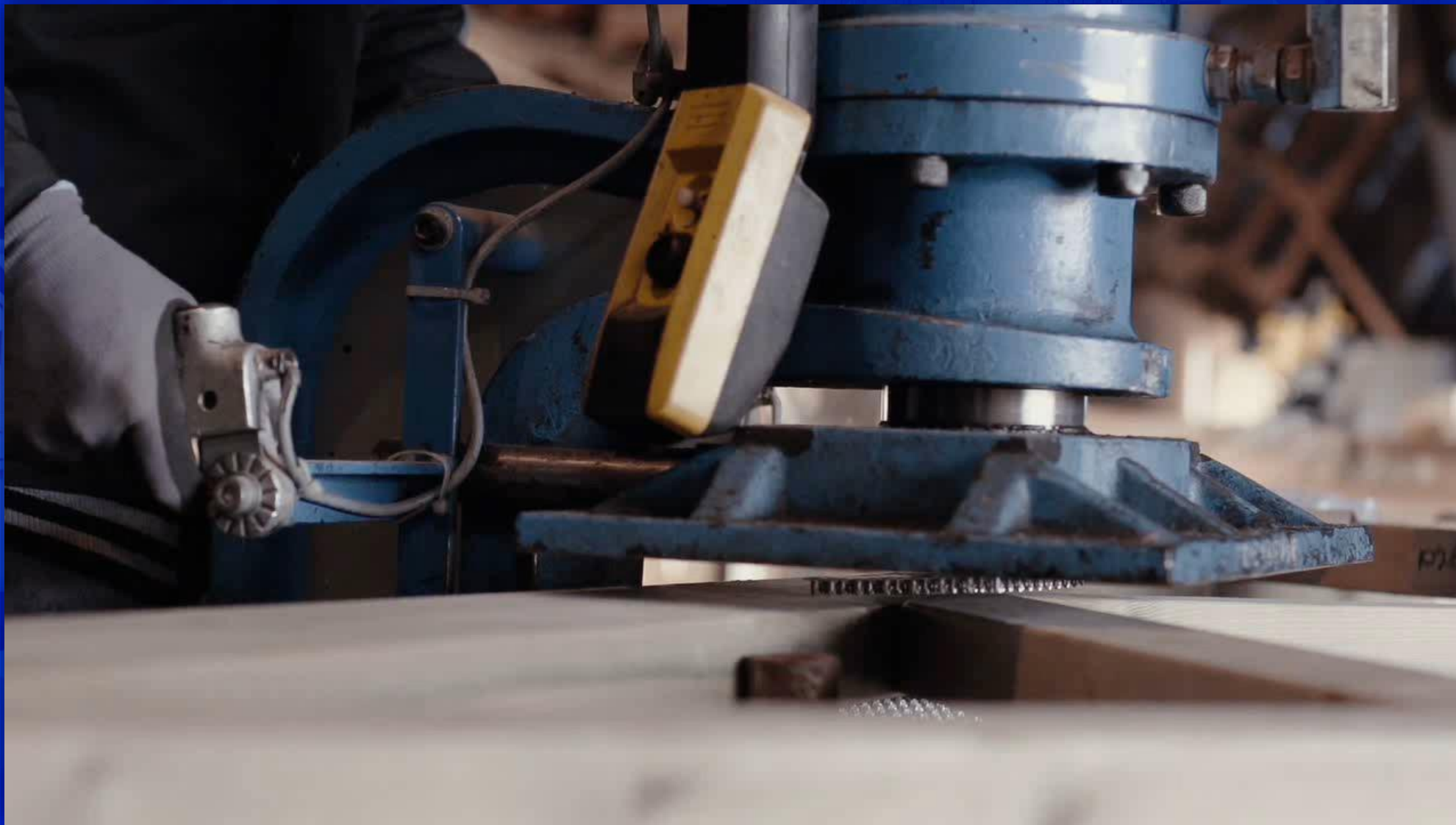
Plāksnēm ir jābūt sertificētām un atbilstošām visām kvalitātes prasībām, kā arī ražotām atbilstoši standartam EN 14545, un mehāniski testētām laboratorijā. Nestspējas parametriem jābūt ievadītiem aprēķinu programmā.

Rūpnieciski ražota koka kopne

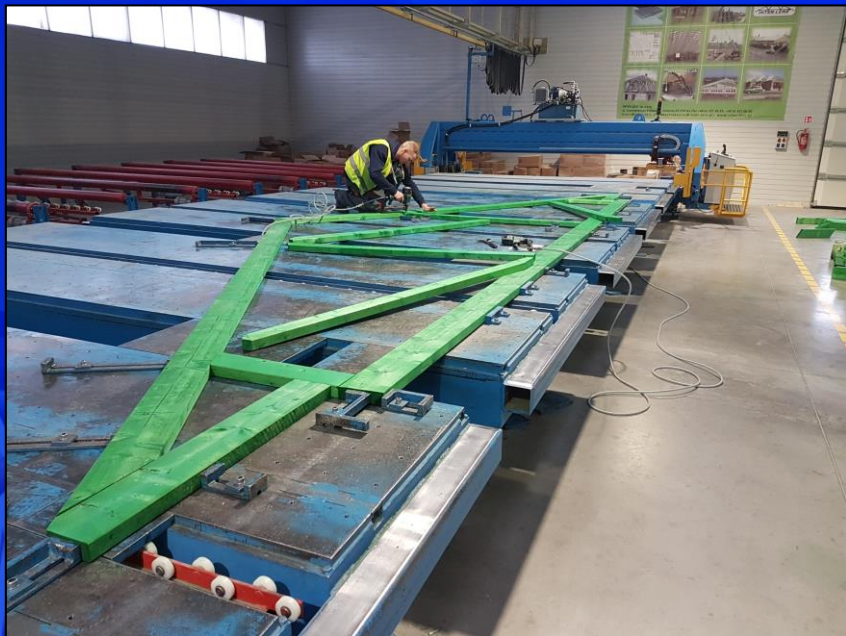


Ražošanas process tiek uzraudzīts un sertificēts no auditoruzņēmumu puses, balstoties uz standartu EN14250.

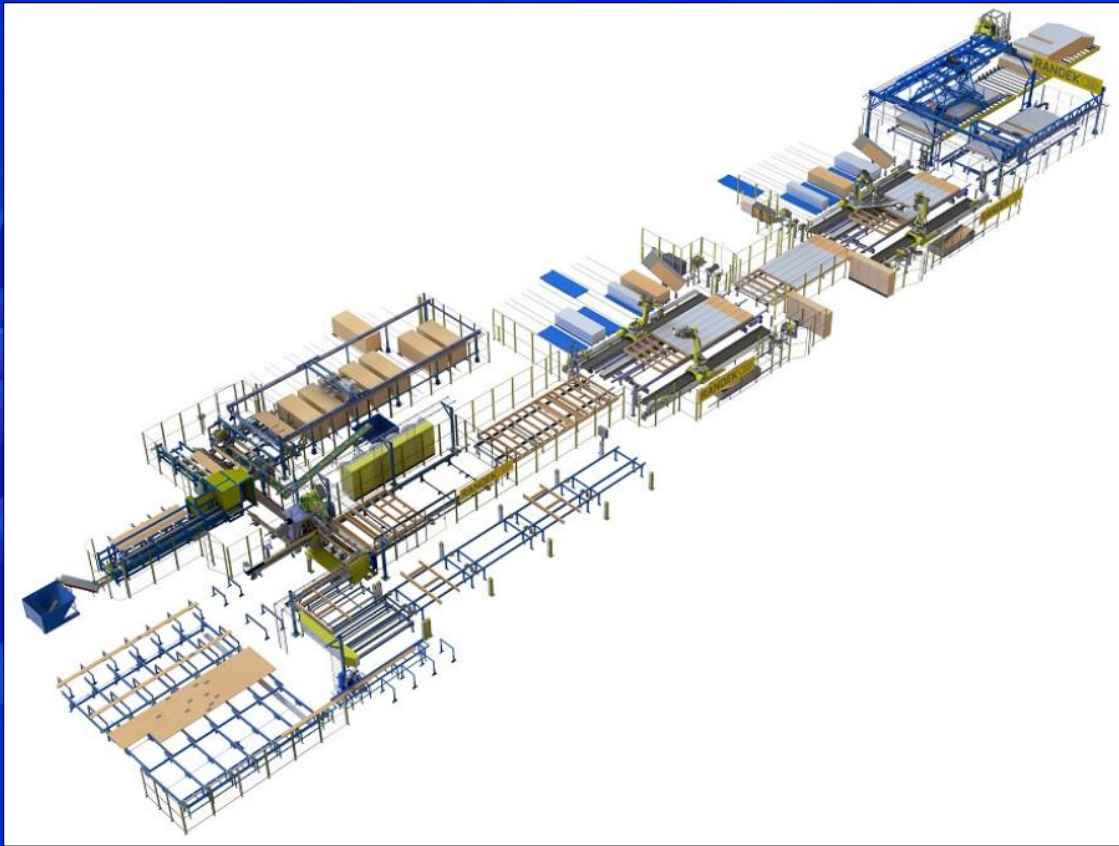
TAM JĀBŪT ŠĀDI!



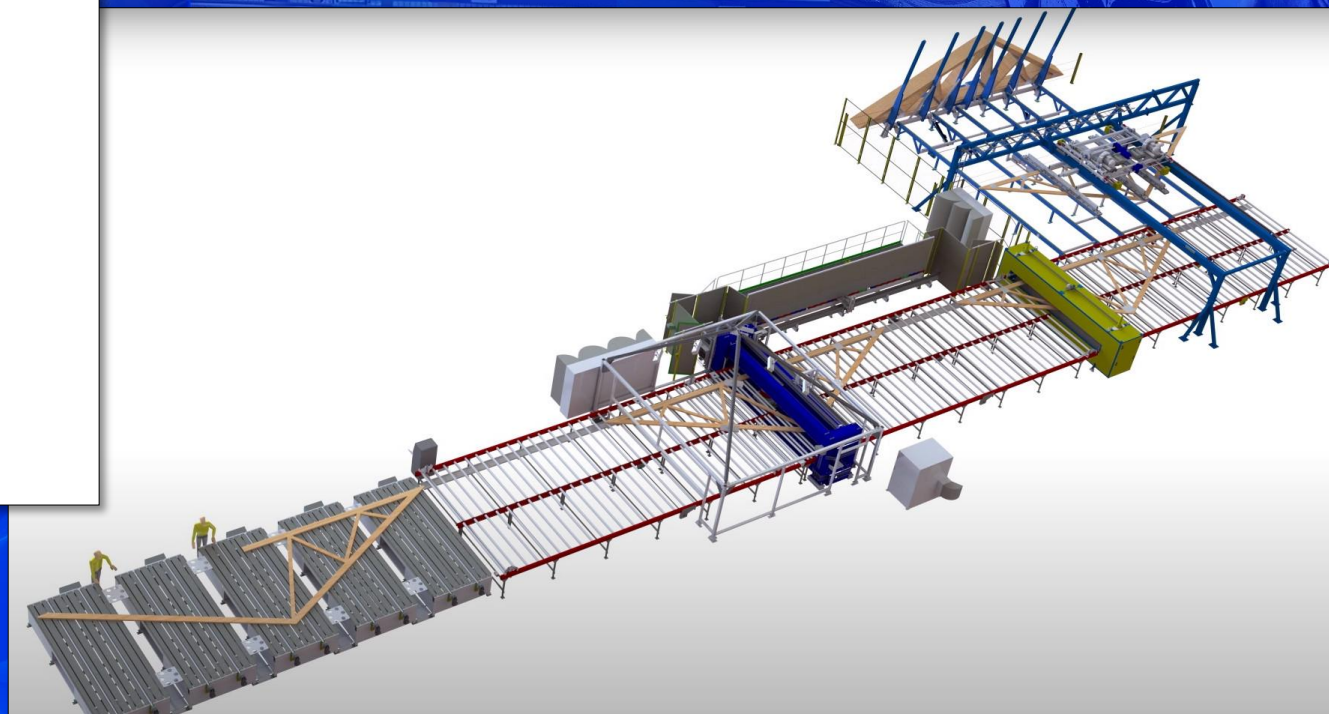
Ražošanas iekārtas



Ražošanas procesu attīstība Eiropas savienībā un Baltijā



Sienu paneļu
ražošanas līnija



Kopņu ražošanas līnija

"Cīņa ar vējdzirnavām"



Satraucoša tendence



Noturīgākā ģeometriskā figūra

Arhitekts

Tehnoloģijas piegādātājs

Tehnoloģijas piegādātājs

Pasūtītājs

Būvnieks

Tehnoloģijas piegādātājs

Inženieris

MiTek[®] Baltic



LATVIJAS KOKA
BŪVniecības klasteris

Paldies par Jūsu uzmanību!