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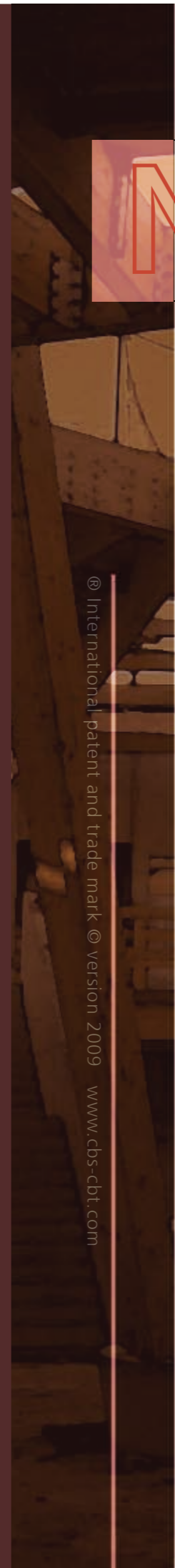


Concepts Bois Structure, CBS in France, cooperates with the enterprise Concept Bois Technologie, CBT in Switzerland, and they form the CBS-CBT group.

These united engineer companies are specialized in designing innovative timber structures, in timber constructions, and also in new technologies related to wood engineering.

With more than ten international patents and a team of 20 engineers, this group is one of the most specialized timber engineering office, also in the international range. This situation is a result of 15 years of cooperation with the Swiss Federal Institute of Technology, Lausanne (EPFL), and with the ENSTIB, College of wood engineers in Epinal, France.

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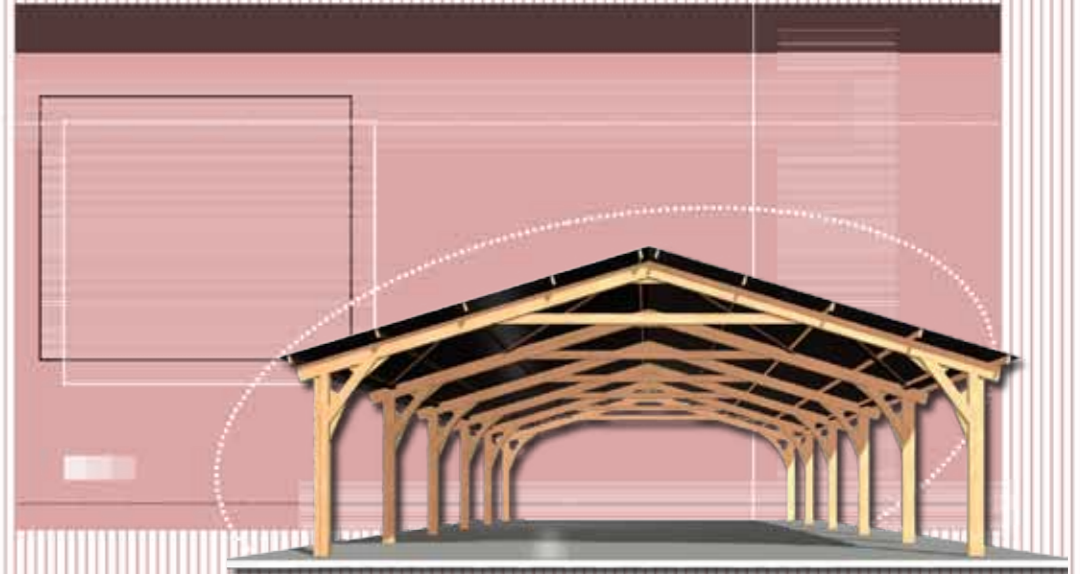


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Agricultural buildings

Noétech®



12-20m

Wellness centre !

conceptsboisstructure



conceptboistechnologie

The Noétech agricultural buildings



CONCEPT

The concept of the Noétech series is based on boards of standard cross sections, like 60/180 or 60/240mm.


Boards are layered, offset and screwed to form the posts, rafters and tie-beams. The great second moment of area obtained provides a high bending strength to the members.

Bracings are built using the same cross-section to keep a homogeneous appearance. The articulations of the frame are rigid to increase the stiffness


and to reduce evermore the amount of wood used.

Purlins are end-jointed to form continuous beams, which are statically more efficient. Overhangs can be created easily by stretching the rafters.


CHARACTERISTIC	VALUE	UNIT
Clear span	12 - 20	m
Boards cross section	60/180-80/240	mm
Dead load	18 - 20	kg/m ²
Truss spacing	4 - 6	m
Timber strength class	C22 - C30	--
Fire resistance	30 - 90	min
Storage of CO ₂	25 - 30	kg/m ²
Area/wood volume	25 - 35	m ² /m ³



1) Three boards forming a Trium



2) Five boards forming a Pentium



3) Seven boards forming a Sevium

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ECONOMICAL

The Noétech series provides low-cost buildings since:

- the amount of material is reduced to the minimum required
- the main components are built using dimensional lumber

ARCHITECTURAL

The slenderness and lightness of this type of structure is exceptional. Noétech buildings can be closed using Venus walls, which offer high-tech and modern finishing, keeping a competitive price.

With coefficients of 25 to 35 m² of covered ground per cubic meter of timber, these buildings are strongly optimized.



Noétech building, closed with Venus walls