DiXite

Automatisation de la construction bois

Loïc Simonin

Composants pour la construction

Les barres

Bois massif,
aboutés.

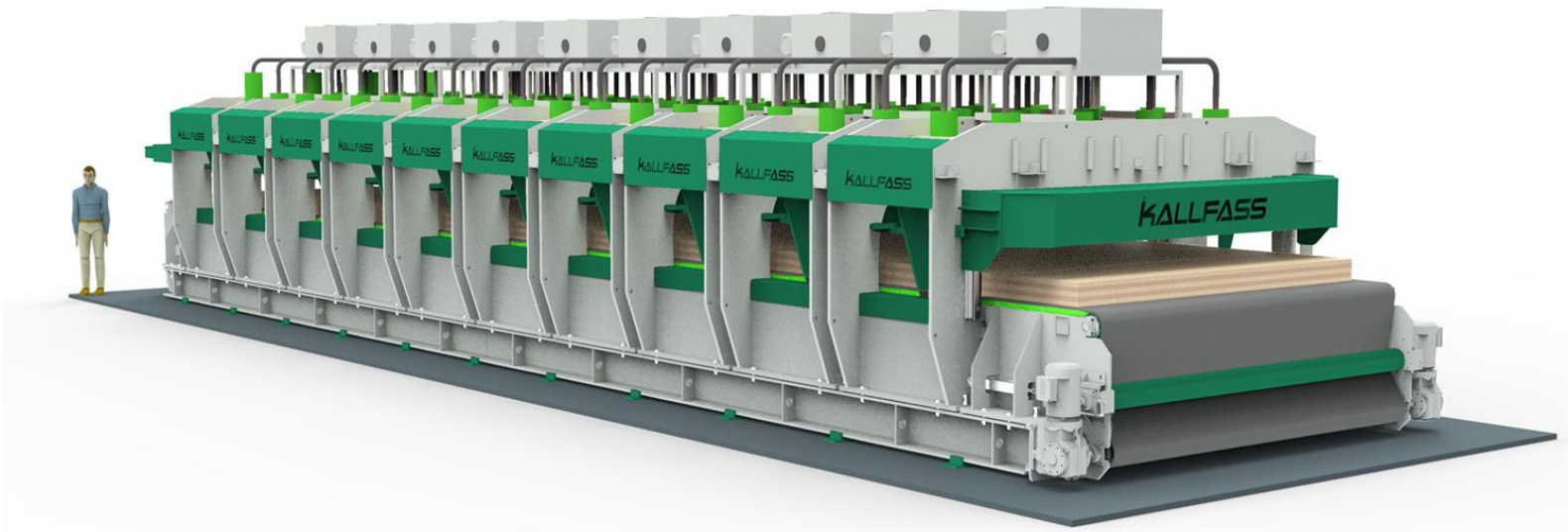
Bois
collés.

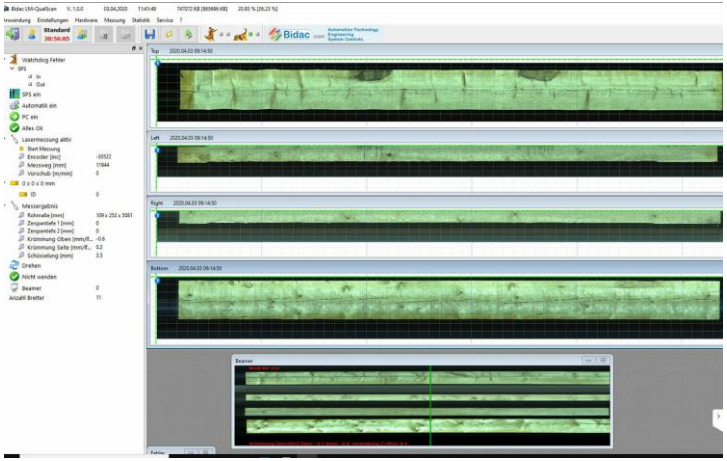
Les panneaux

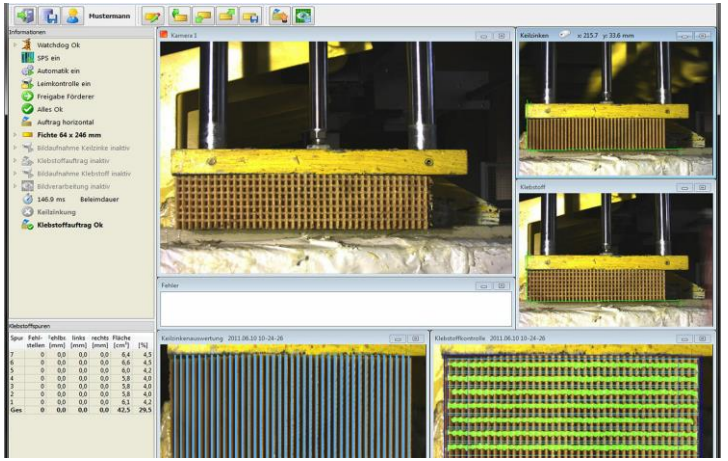
CLT Cross laminated timber

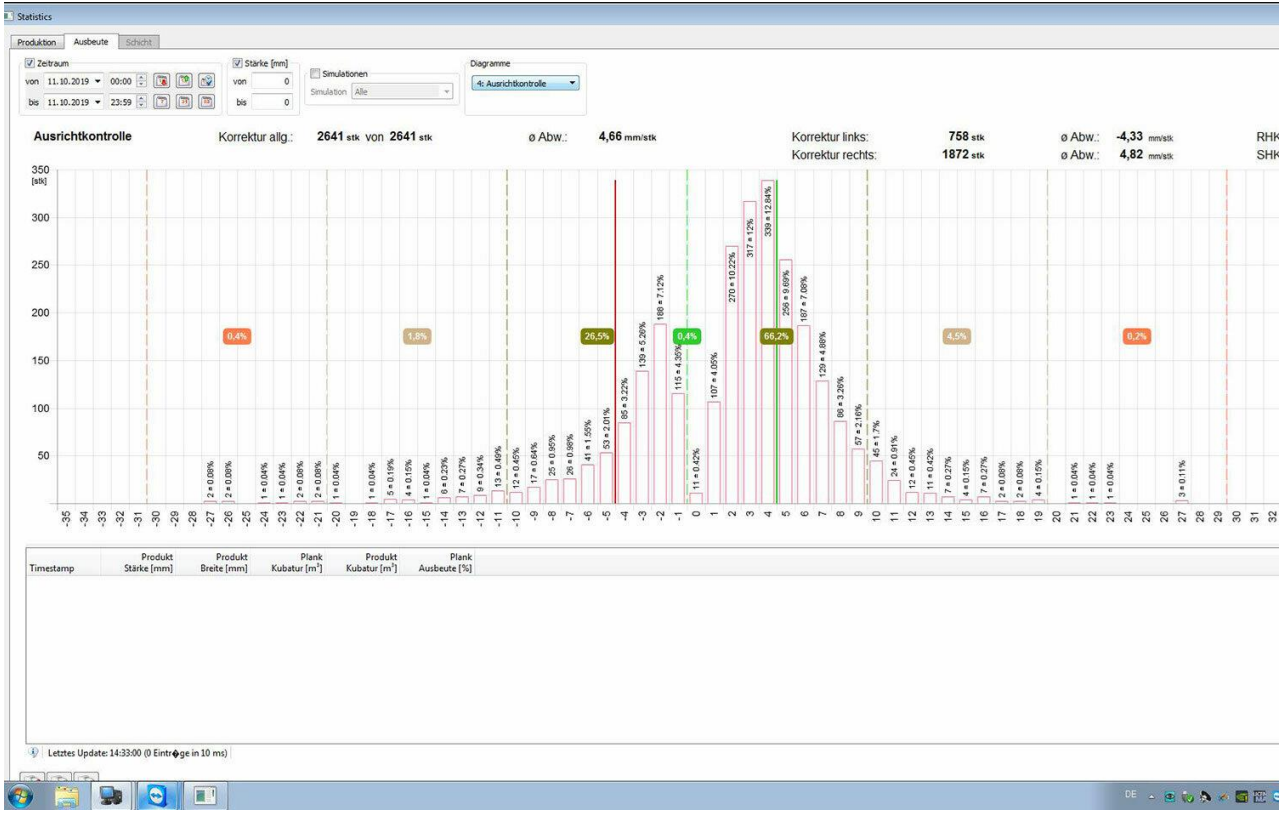
LVL Laminated veneer timber

Agglomérés


KALLFASS






Statistics
Produktion
Ausbeute
Schicht
Zeitraum
von 11.10.2019 00:00
bis 11.10.2019 23:59
Stärke [mm]
von 0
bis 0
Simulationen
Simulation Alle
Diagramme
4: Ausrichtkontrolle
Ausrichtkontrolle
Korrektur allg.: 2641 stk von 2641 stk
ø Abw.: 4,66 mm/stk
Korrektur links: 758 stk
ø Abw.: -4,33 mm/stk
Korrektur rechts: 1872 stk
ø Abw.: 4,82 mm/stk
RHK
SHK
[stk]
0,4%
1,8%
26,5%
0,4%
66,2%
4,5%
0,2%
Timestamp
Produkt Stärke [mm]
Produkt Breite [mm]
Plank Kubatur [m³]
Produkt Kubatur [m³]
Plank Ausbeute [%]
Letztes Update: 14:33:00 (0 Eintr◆ge in 10 ms)

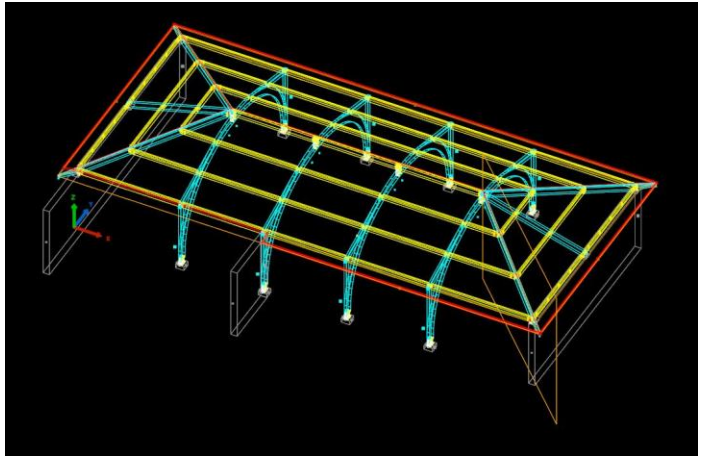
Construire

L’incontournable

L’ordinateur c’est :

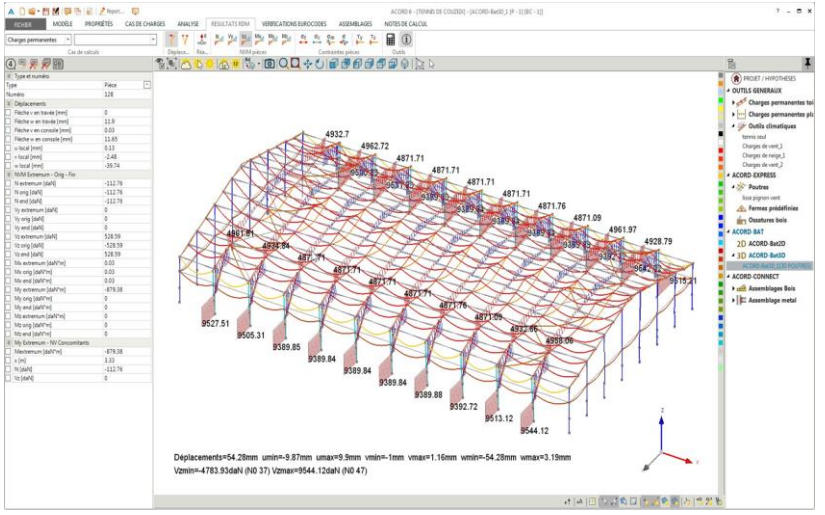
- Maquette numérique.
- Acquisition de données externes.
- Calculs longs et complexes.
- Bases de données.
- Plans.
- Documents de fabrication.
- Pilotage machines.
- Capacité d’échange.

Maquette numérique

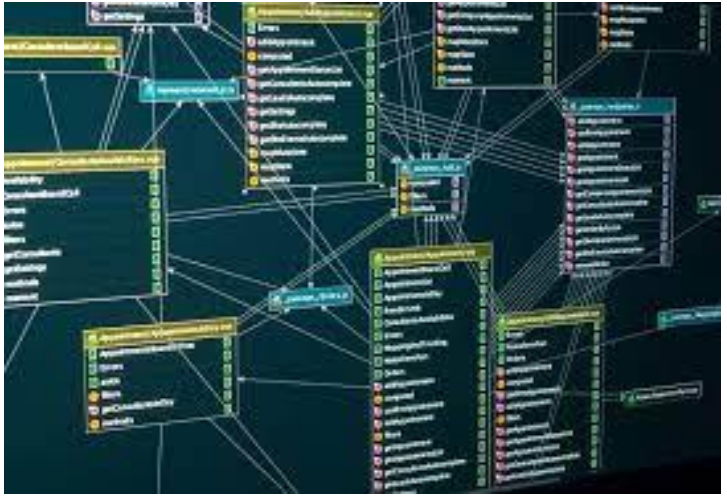


Acquisition de données externes

Calculs longs et complexes

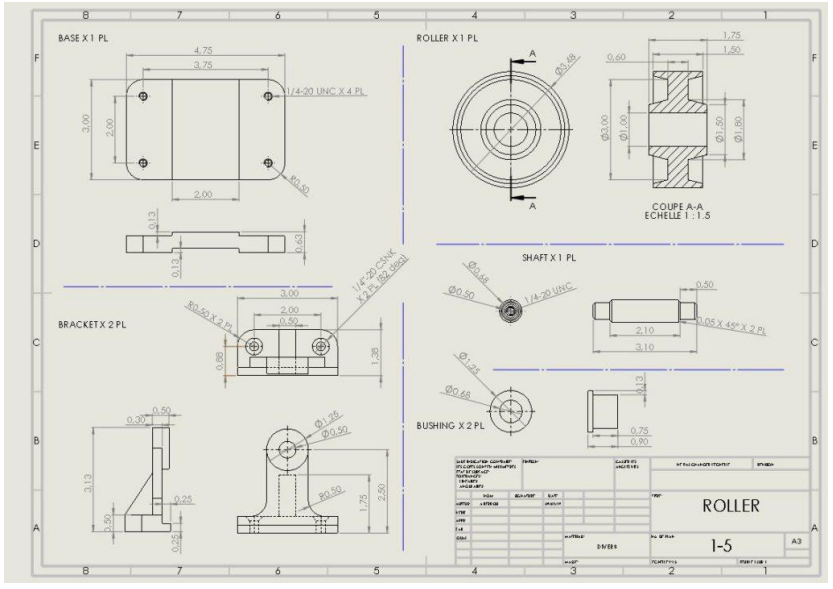


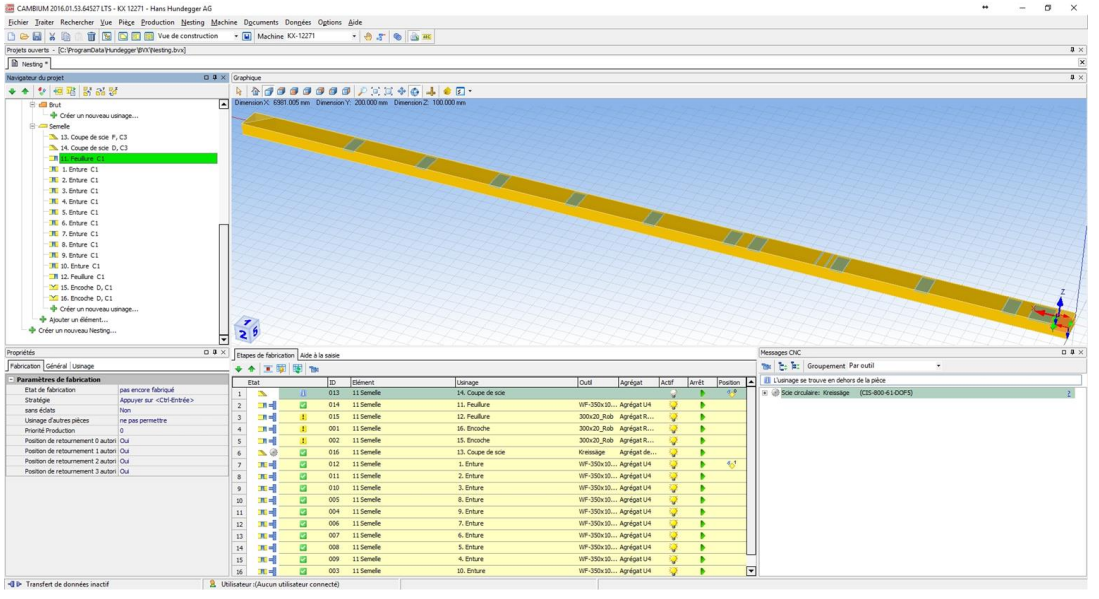
Bases de données



Plans

Données machines

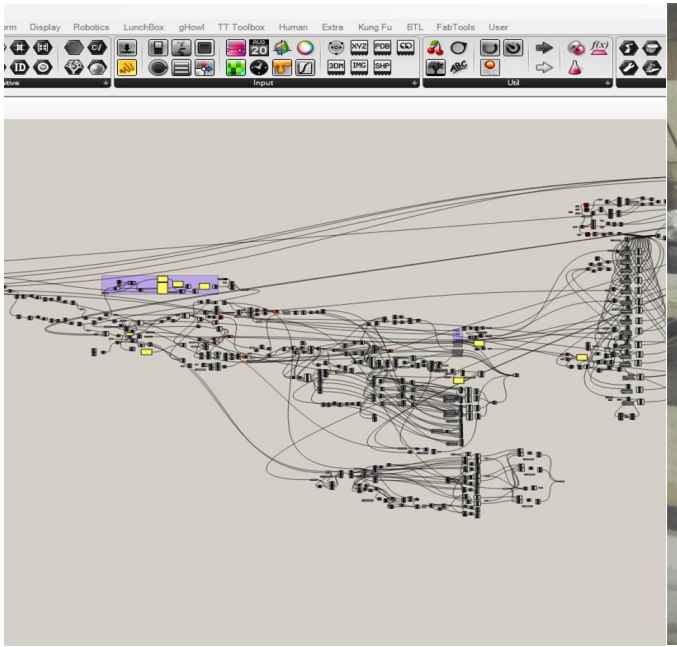


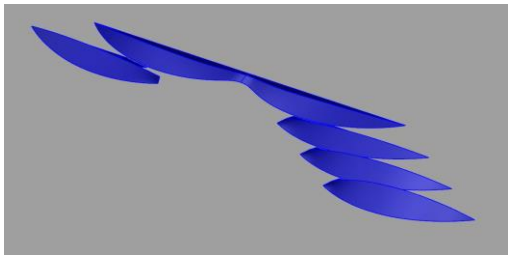


CNC

Capacité d’échange

Et le paramétrique ?





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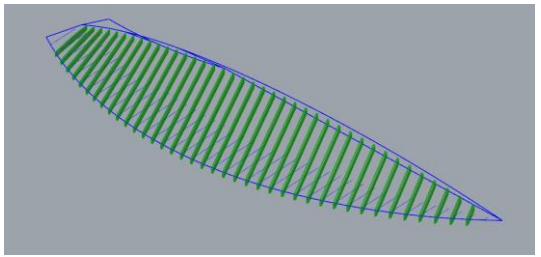

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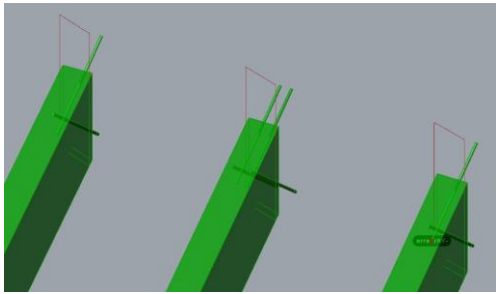

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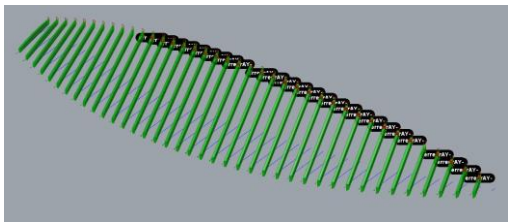
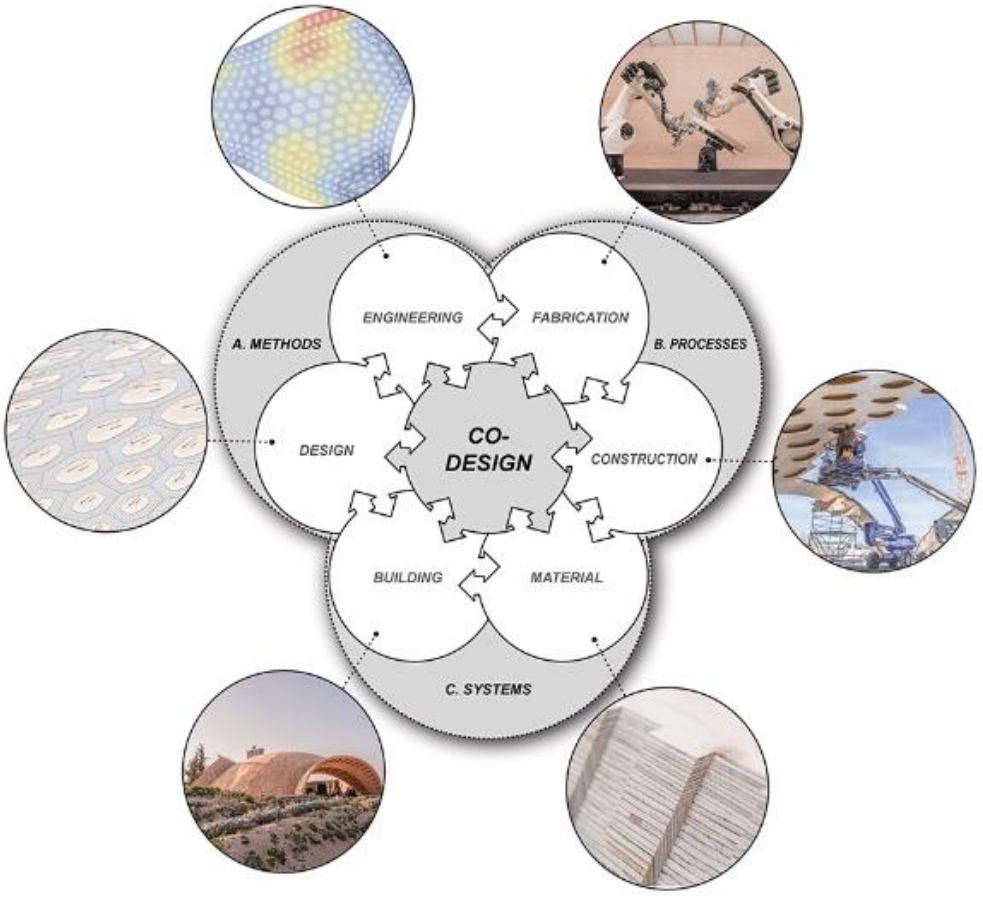
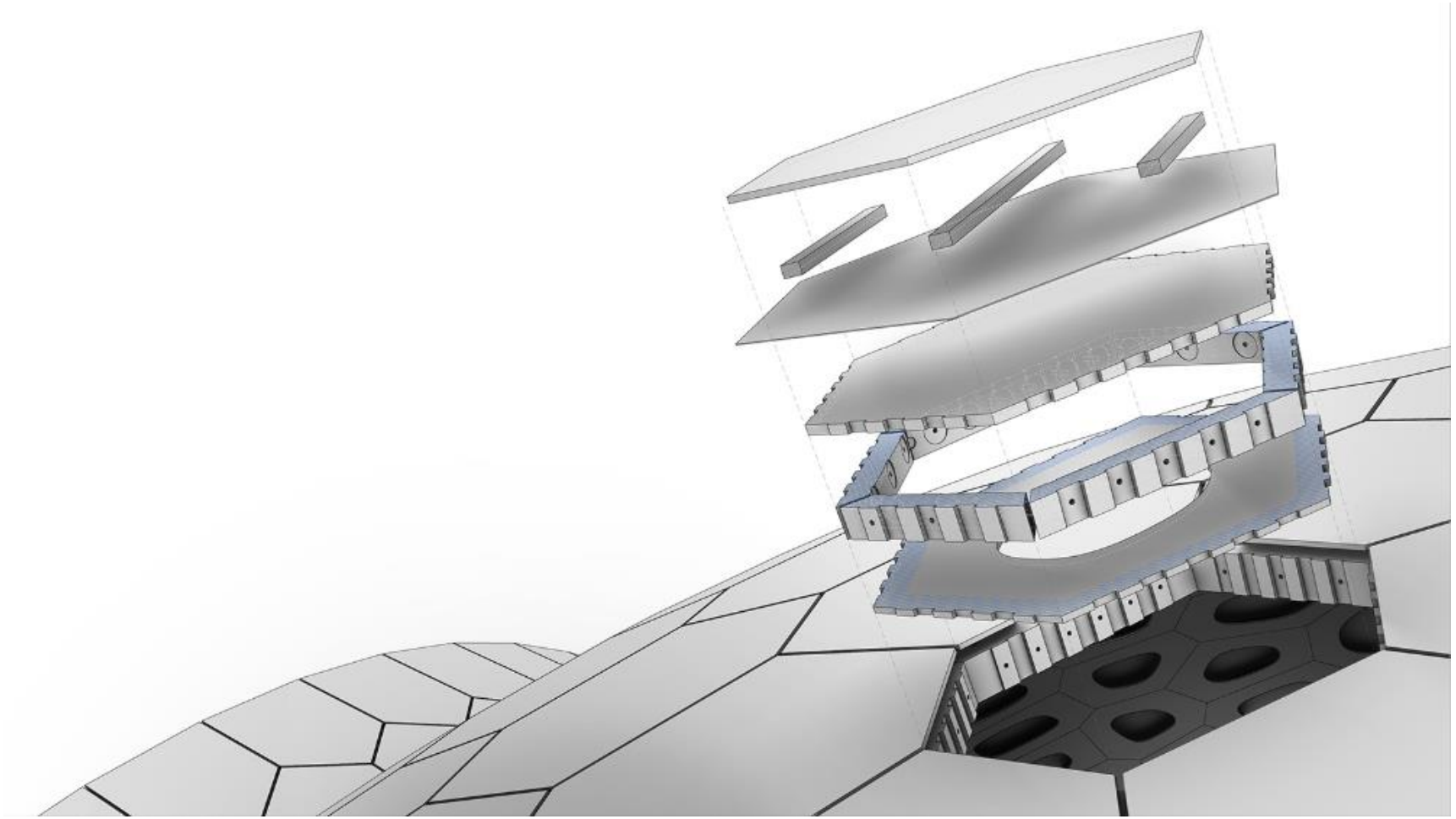
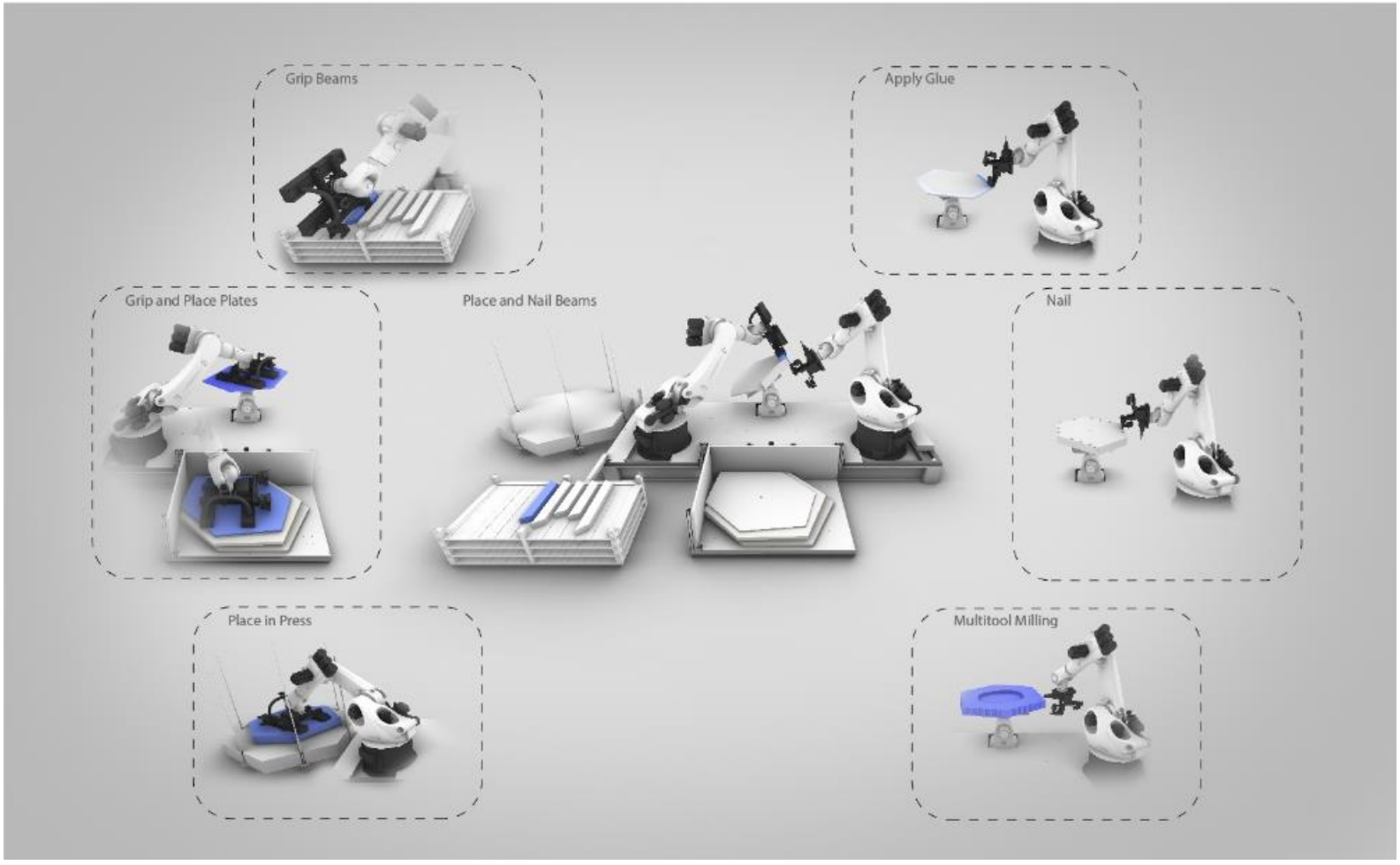
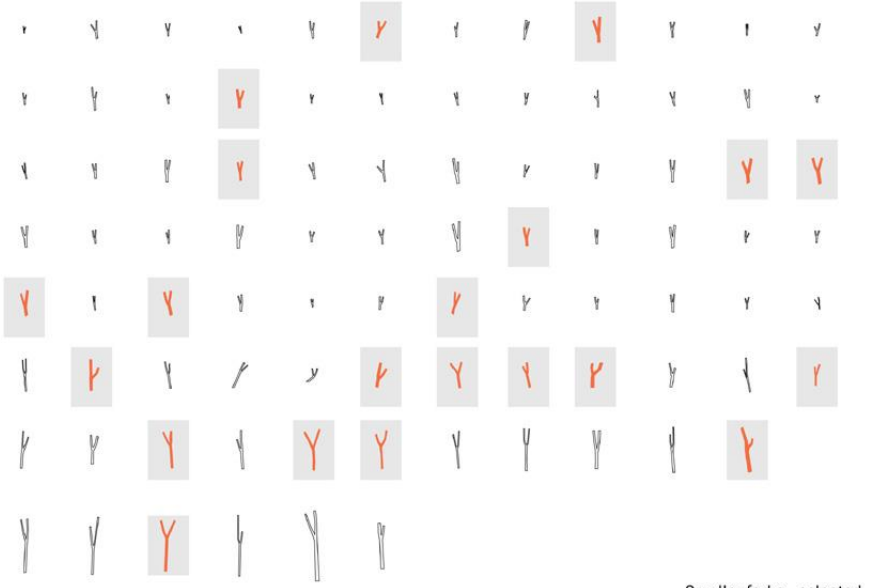


EXEMPLE
S


ENGINEERING
FABRICATION
A. METHODS
B. PROCESSES
DESIGN
CO-
DESIGN
CONSTRUCTION
BUILDING
MATERIAL
C. SYSTEMS




Grip Beams
Apply Glue
Grip and Place Plates
Place and Nail Beams
Nail
Place in Press
Multitool Milling



Smaller forks - selected

KUKA
KUKA
KUKA

Pourquoi ces 2 projets ?

Des matériaux simples (brut pour le deuxième !) .

Un outil polyvalent, peu encombrant, peu couteux .

Des solutions pour produire au plus près, avec des matériaux peu transformé !
Moins de transport, moins d’émissions de CO_2, moins de ressources, etc...

MERCI DE VOTRE ATTENTION !