



Standardisation and the Digital World

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Standardisation – Am I applying the right standardisation?

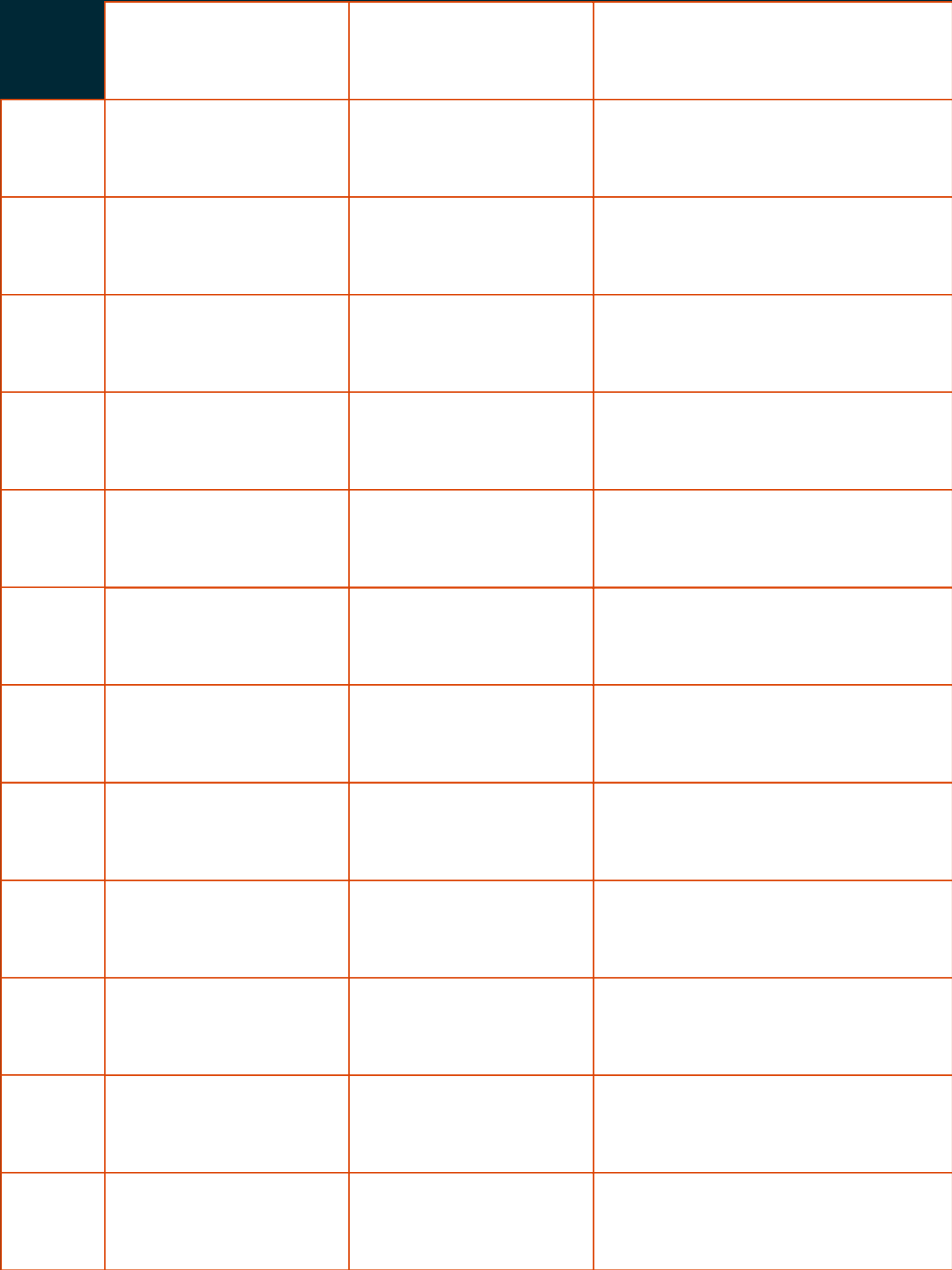
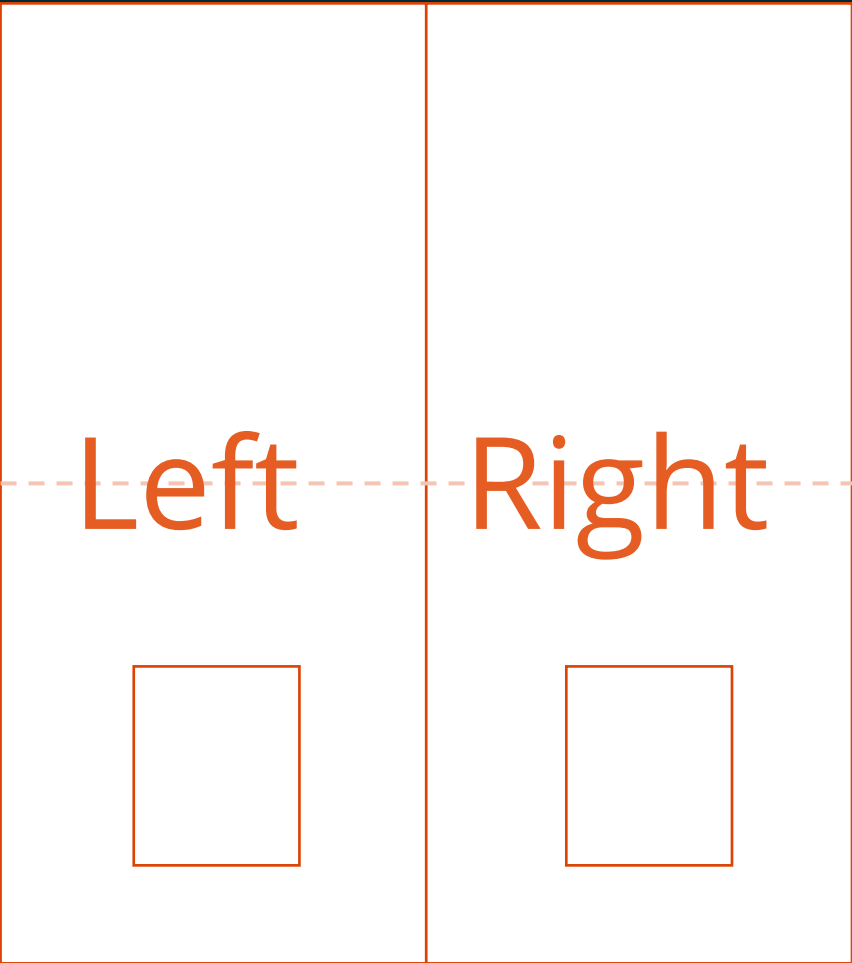
- ▶ Virtually 100% of modern buildings, incorporate some form of standardisation in their construction.



Standard houses

Standardisation – What issue does standardisation create?

- ▶ Stifled design creativity
- ▶ Supply chain dependency
- ▶ High upfront capital cost
- ▶ Unknown impact



Standardisation – How digitisation empowers standardised construction?

- ▶ A single model can have design options
- ▶ Standard modules can be combined to create variation.
- ▶ Advanced machinery can be utilised



Standardisation – How does factory digitisation work?

Refresh ↺

User: *Default User*



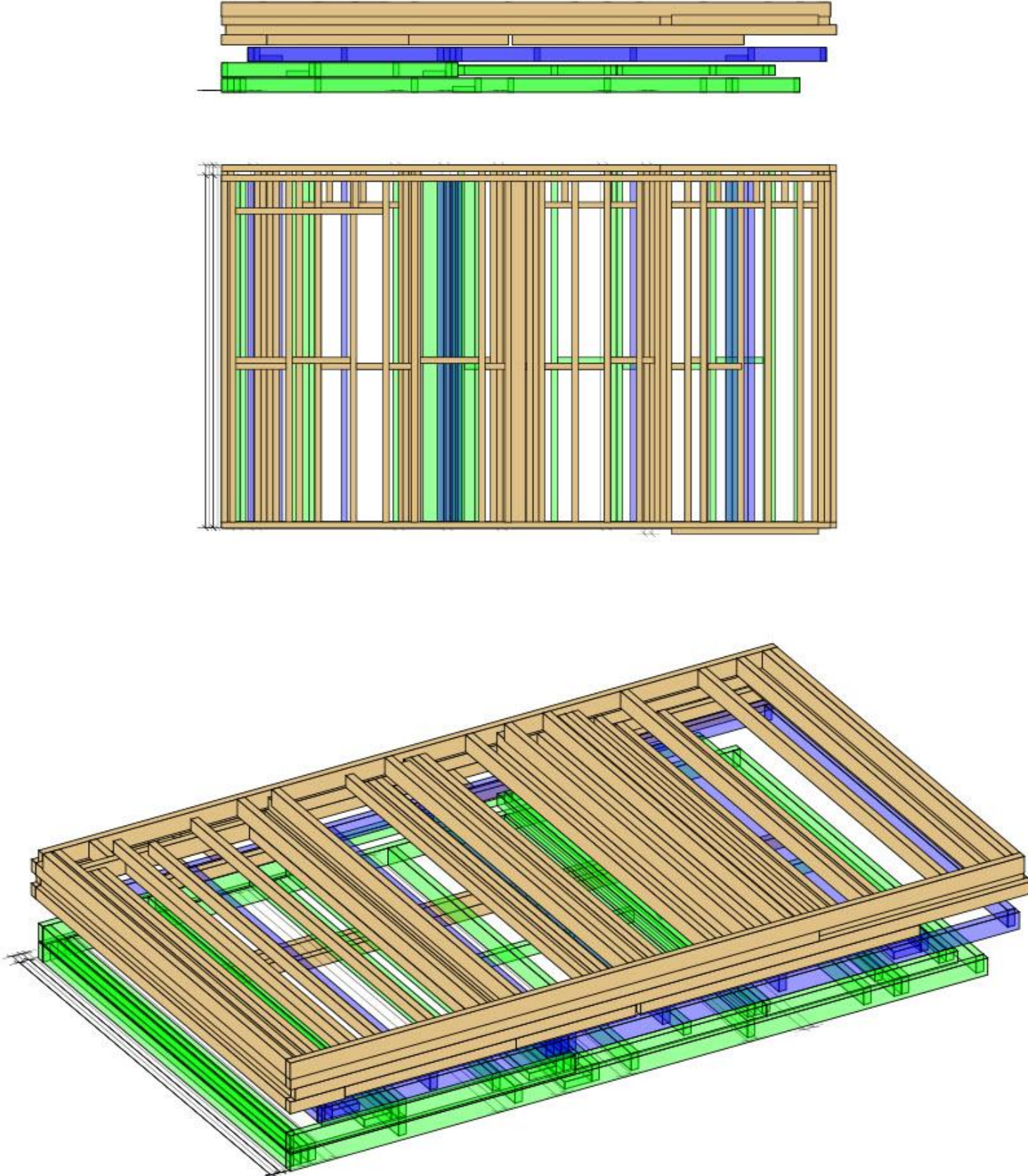
Line sequence

Item name	Item info
▼ Stack 1	
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W>Loading-bay-example-house_000-GF-E004	Ext 140_SS_9 OSB_102 Brick ✓
W>Loading-bay-example-house_000-GF-E003	Ext 140_SS_9 OSB_102 Brick
W>Loading-bay-example-house_000-GF-E006	Ext 140_SS_9 OSB_102 Brick
W>Loading-bay-example-house_000-GF-E002	Ext 140_SS_9 OSB_102 Brick
▼ Stack 2	
P>Loading-bay-example-house_000-GF-P010	PTY 89_SS_9 OSB ✓
P>Loading-bay-example-house_000-GF-P009	PTY 89_SS_9 OSB ✓
W>Loading-bay-example-house_000-GF-N020	NLB-63 ✓
W>Loading-bay-example-house_000-GF-N014	NLB-63 ✓
P>Loading-bay-example-house_000-GF-P001	PTY 89_SS_9 OSB
W>Loading-bay-example-house_000-GF-N019	NLB 63
W>Loading-bay-example-house_000-GF-N018	NLB 63
▼ Stack 3	
F>Loading-bay-example-house_000-FF-FC002	✓
F>Loading-bay-example-house_000-FF-FC001	
F>Loading-bay-example-house_000-FF-FC003	

Stack 1	Stack 2	Stack 3
P>Loading-bay-example-house_000-GF-P010	☒	
P>Loading-bay-example-house_000-GF-P009	☒	
W>Loading-bay-example-house_000-GF-N020	☒	
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W>Loading-bay-example-house_000-GF-L011	☐	

Stack 2

P>Loading-bay-example-house_000-GF-P001



☒ Front view☒ Top view☒ Isometric view



80
L:

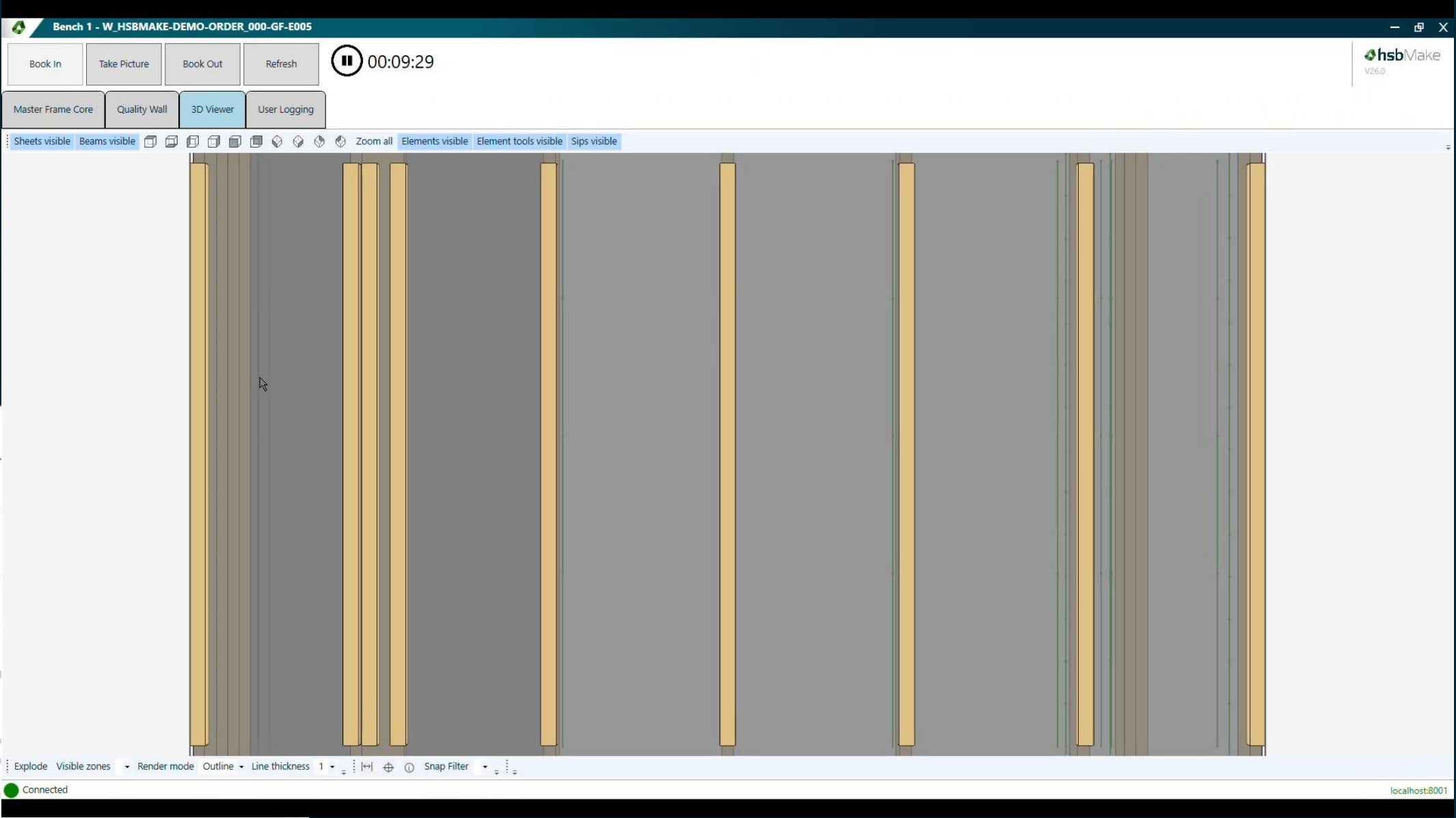
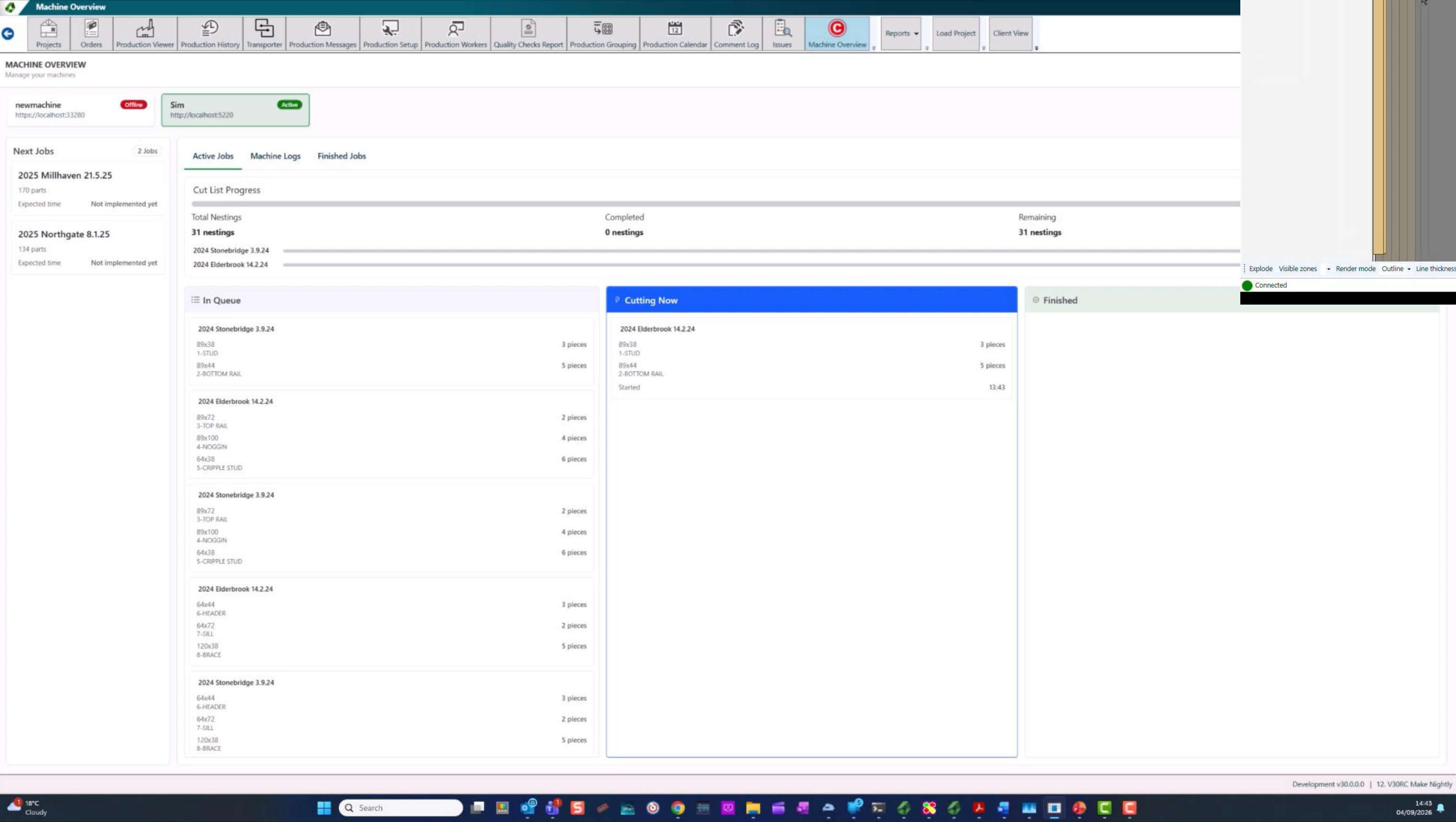


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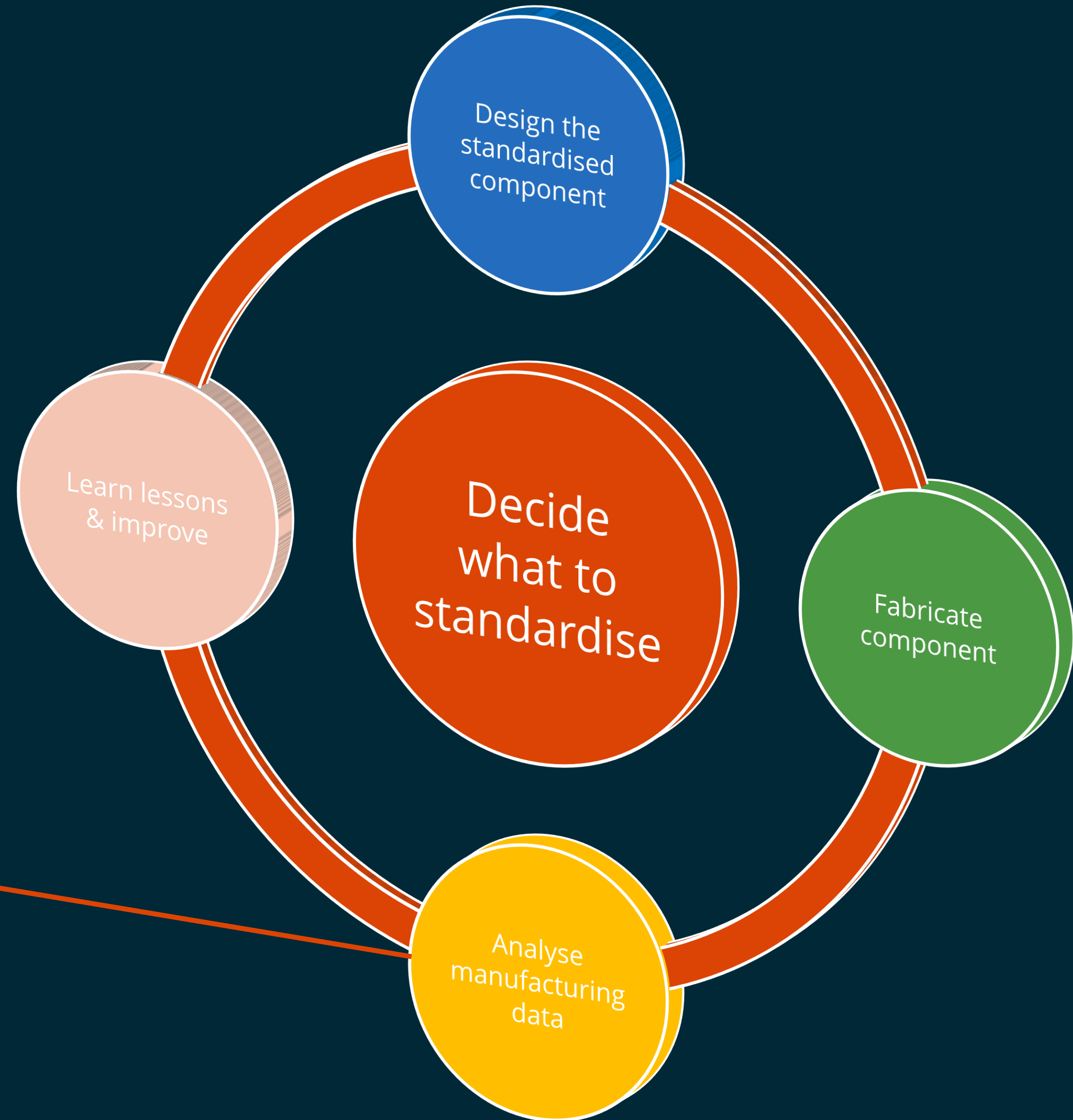
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Standardisation – Achieving total visibility through digitisation?

▶ Data capture



Standardisation – Development cycle for standardisation



Standardisation – AI Don't be scared



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Technology

Anthropic researcher believes more than 10% chance AI 'could kill all humans'



GETTY IMAGES

Anthropic makes the AI tool Claude, which is used as a chatbot and as a tool to help coding



Standardisation – Keep control of your AI

- ▶ [OpenAI](#), [Anthropic](#) and [Meta](#) all disclosed hacks carried out by their AI tools.
- ▶ More intervention is needed to ensure "humans remain in control of the future".



V.I.K.I.

(Virtual Interactive Kinetic Intelligence)

"It calculated that I had a 45% chance of survival. Sarah only had an 11% chance. That was somebody's baby. 11% is more than enough. A human being would've known that. Robots, nothing here, just lights and clockwork."



NS-5

Standardisation – Getting started with AI analysis

- ▶ Don't make it difficult



Standardisation – Follow examples of others

