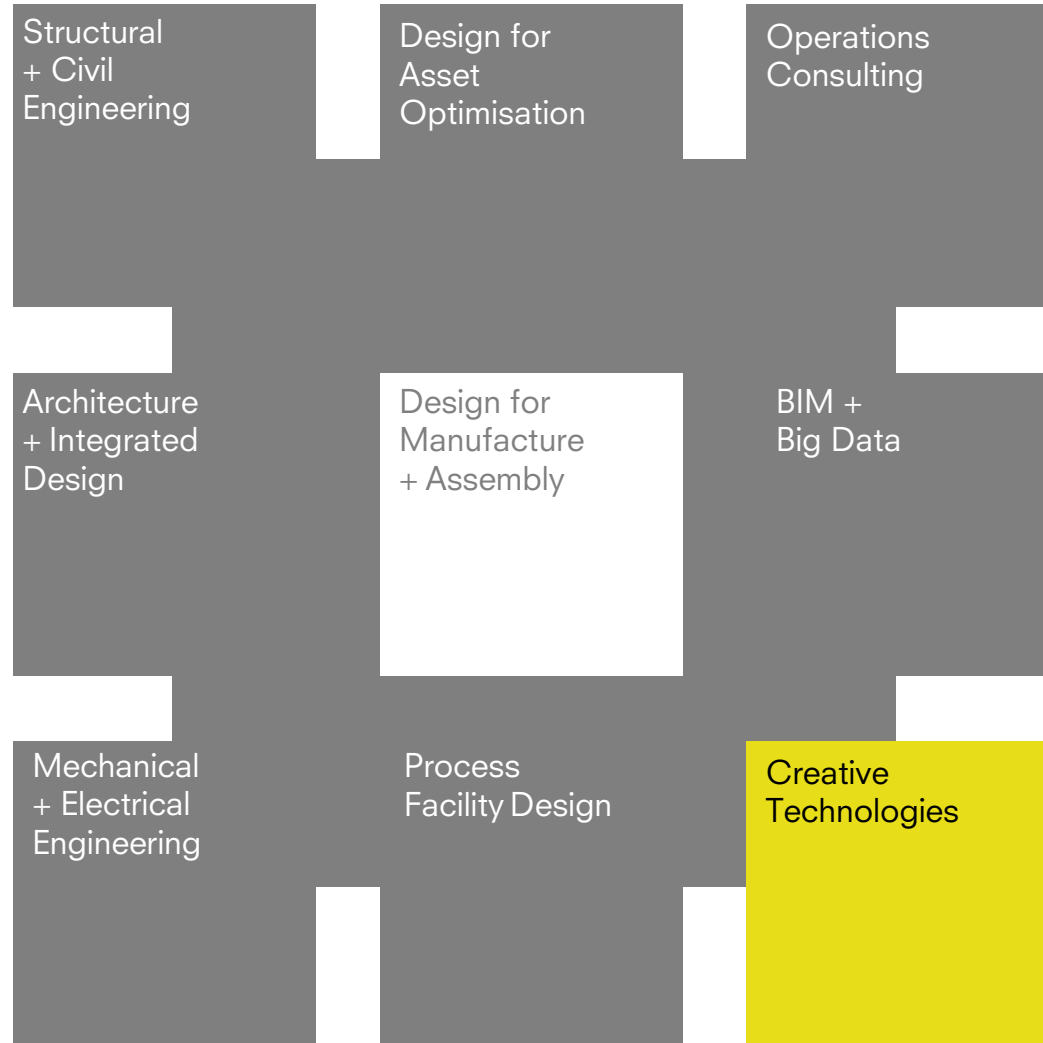
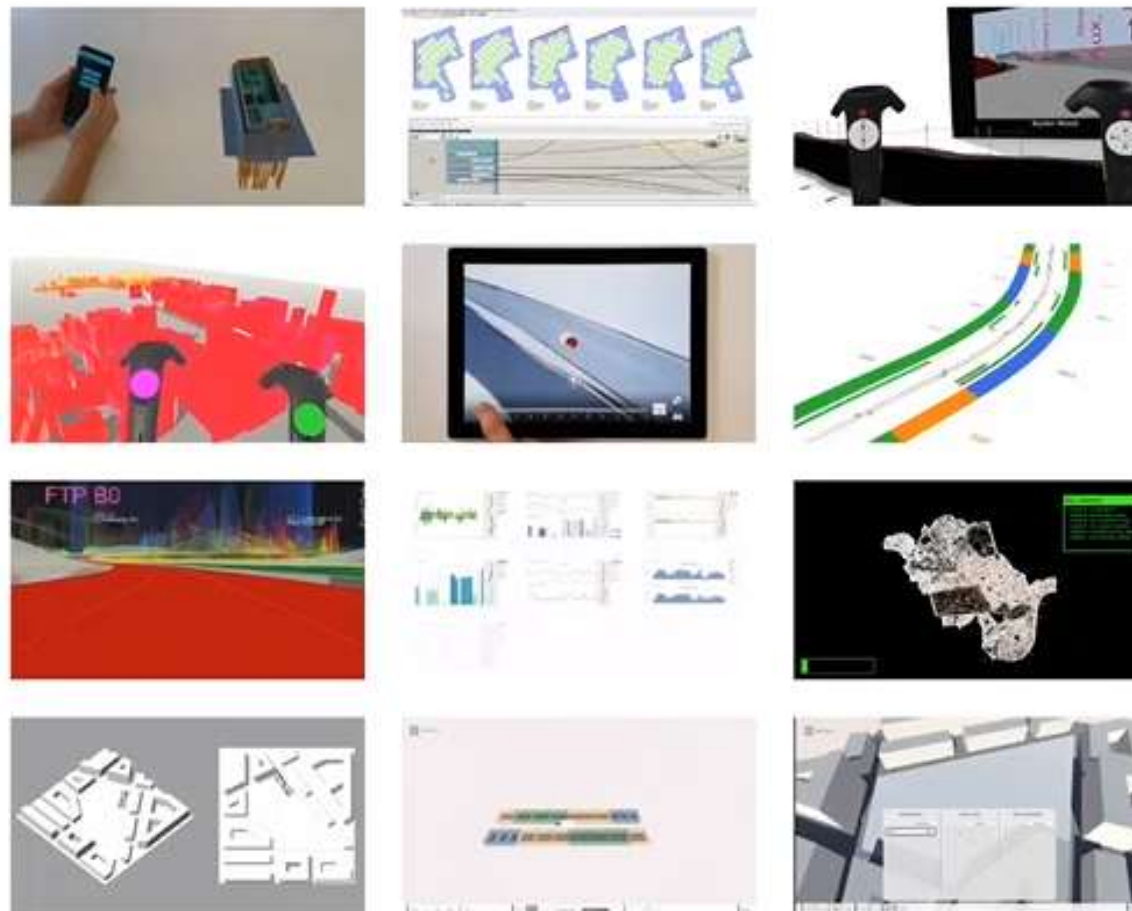


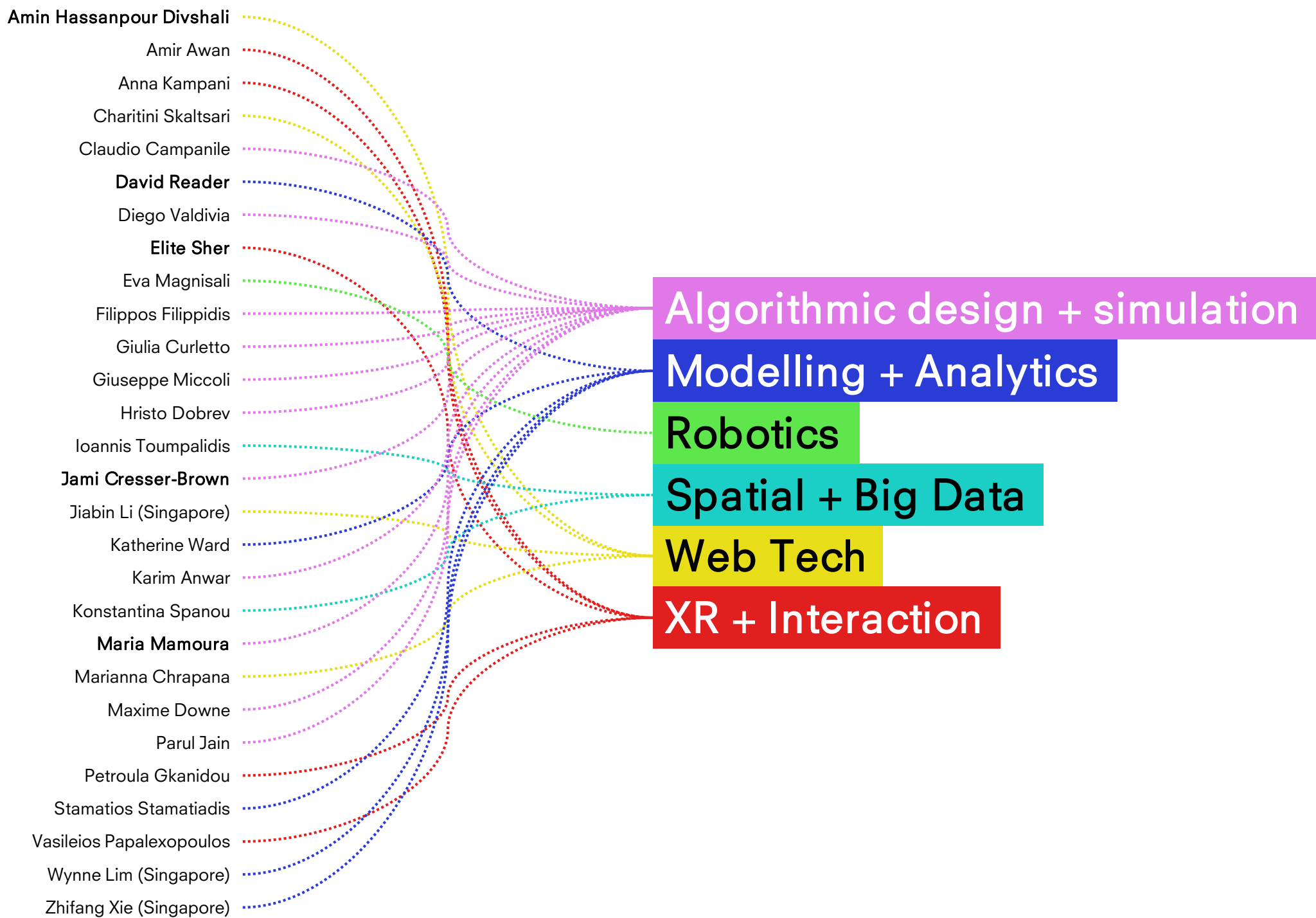
Bryden Wood



David Reader
Director, Modelling + Analytics

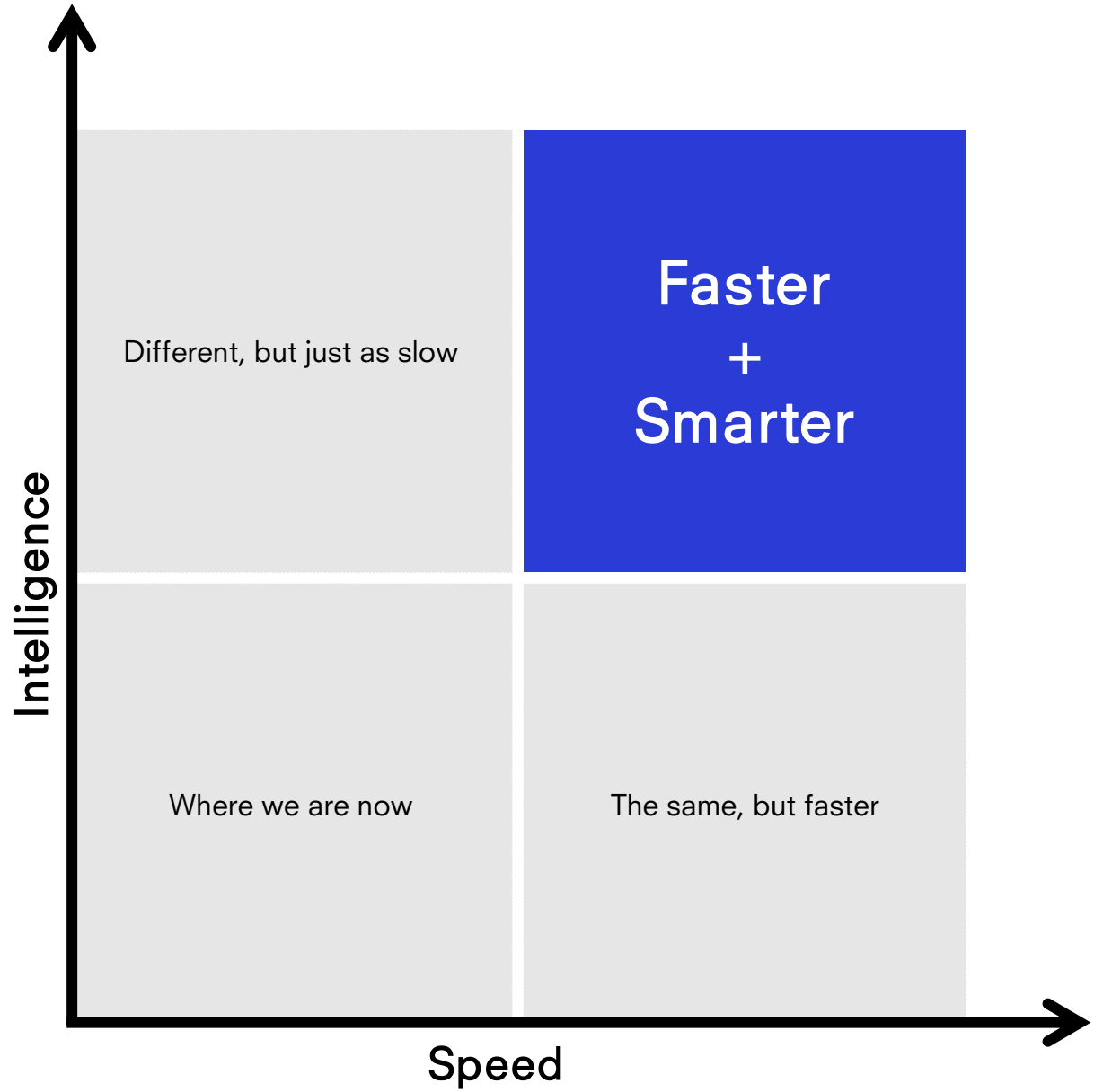
Creative Technologies =





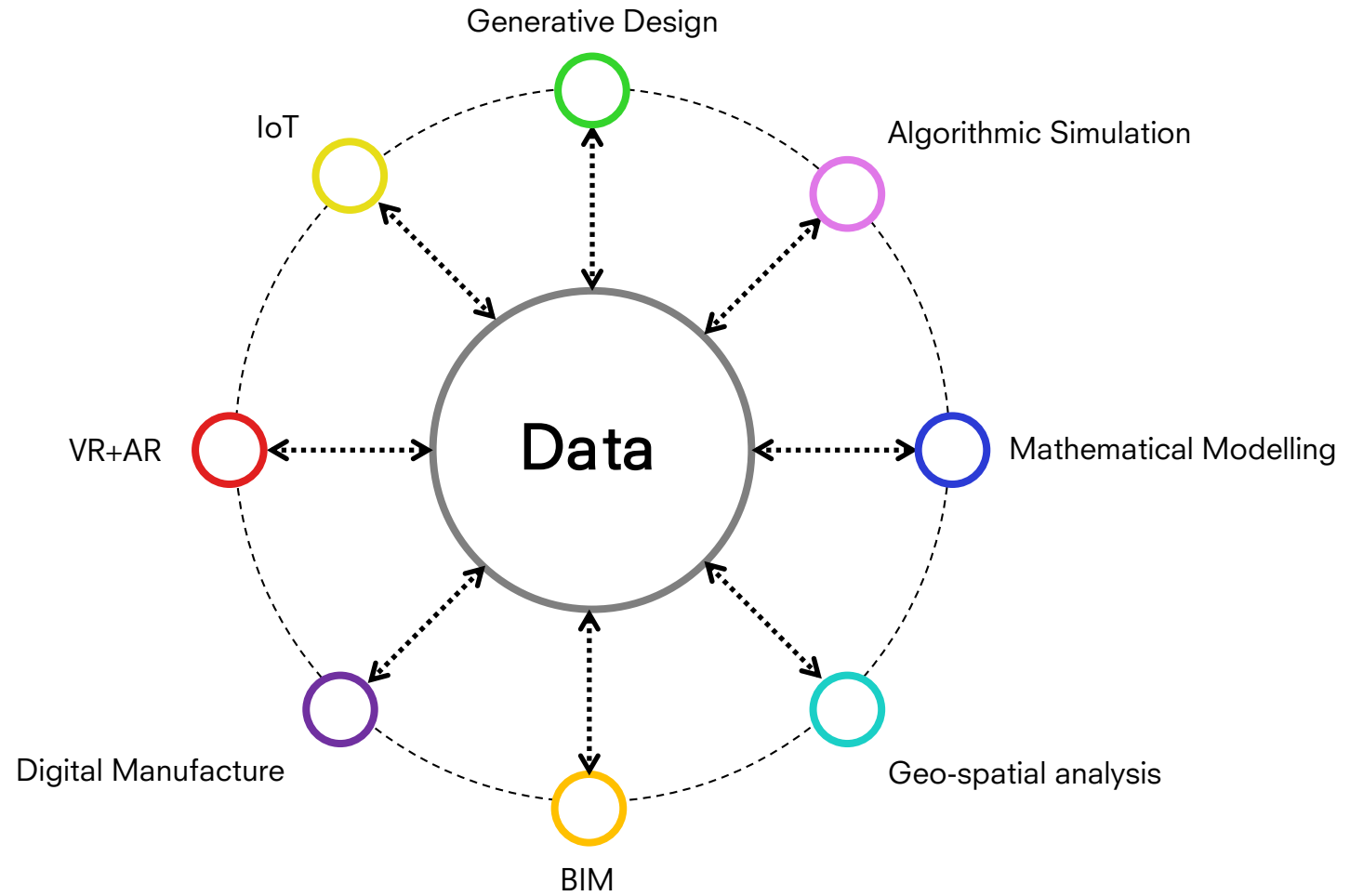
Automated Design

==

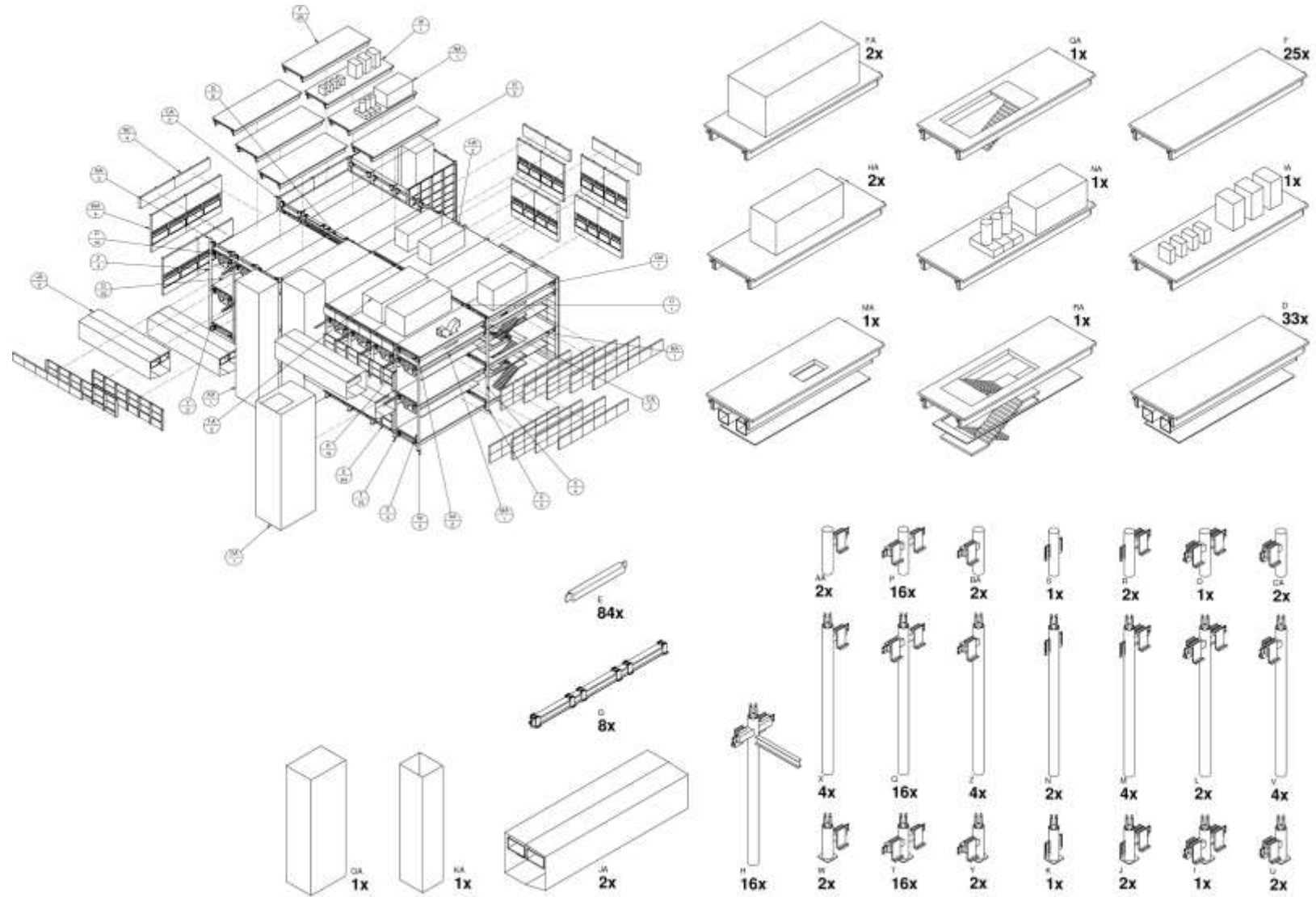


Automated Design

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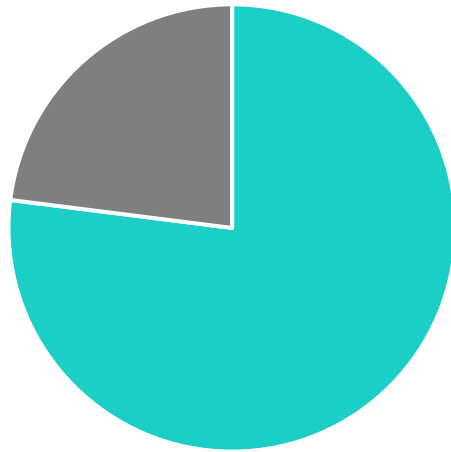
Why Construction?



Why Construction?

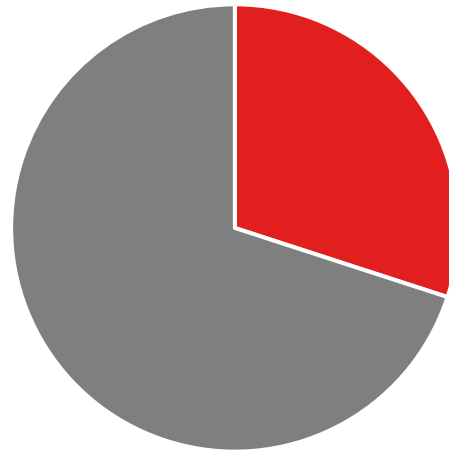
Current

UK Projects



■ Mega Projects ■ Other Projects

Cause of Delay




■ Poor performance ■ Other

Future

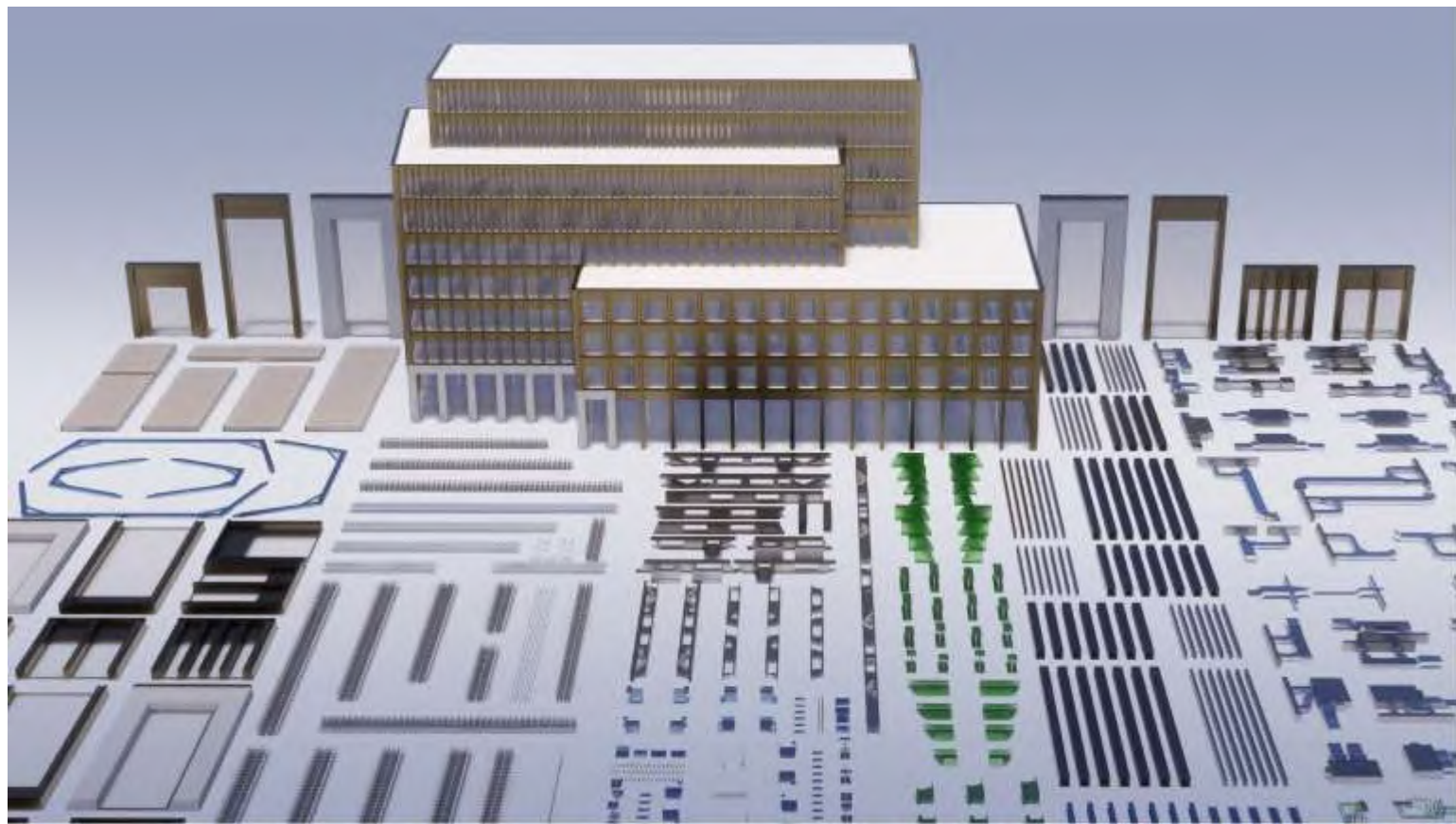
 33% cheaper

 50% fewer emissions

 50% faster delivery

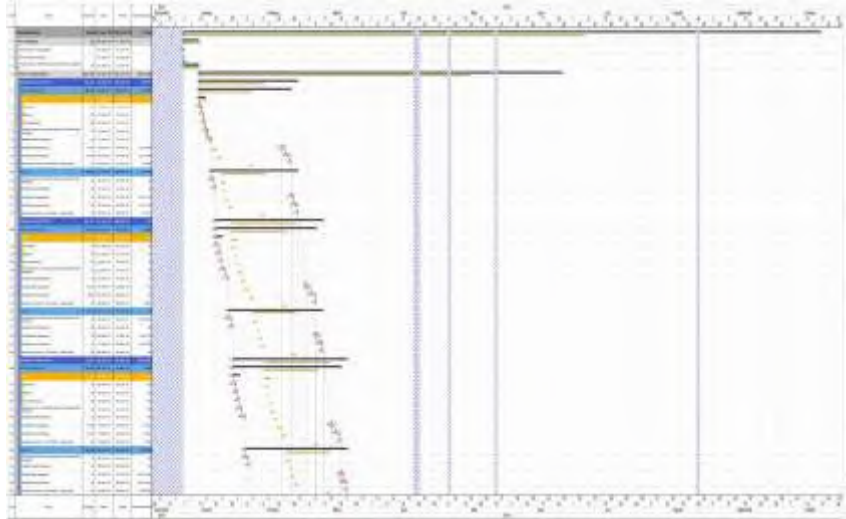
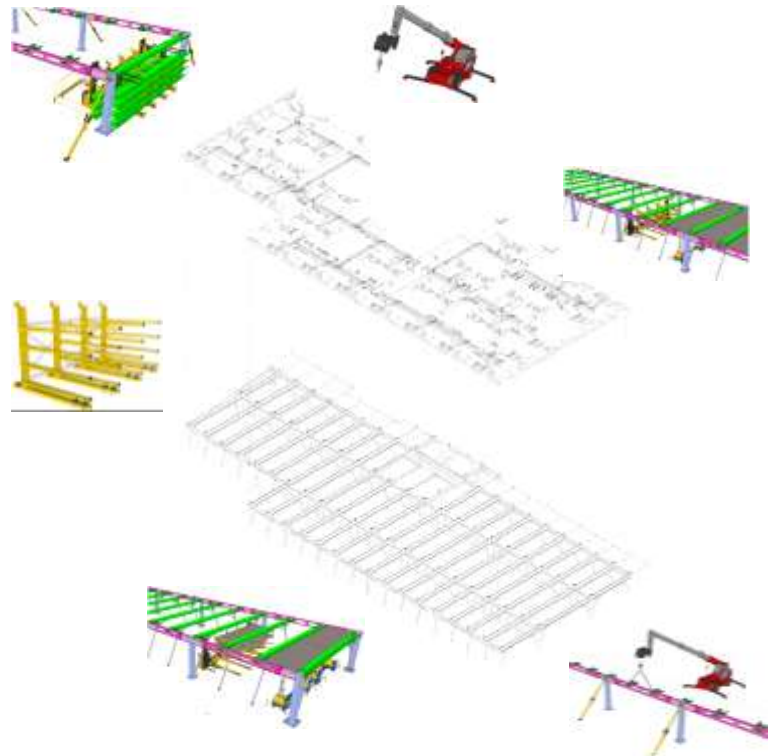
Platforms



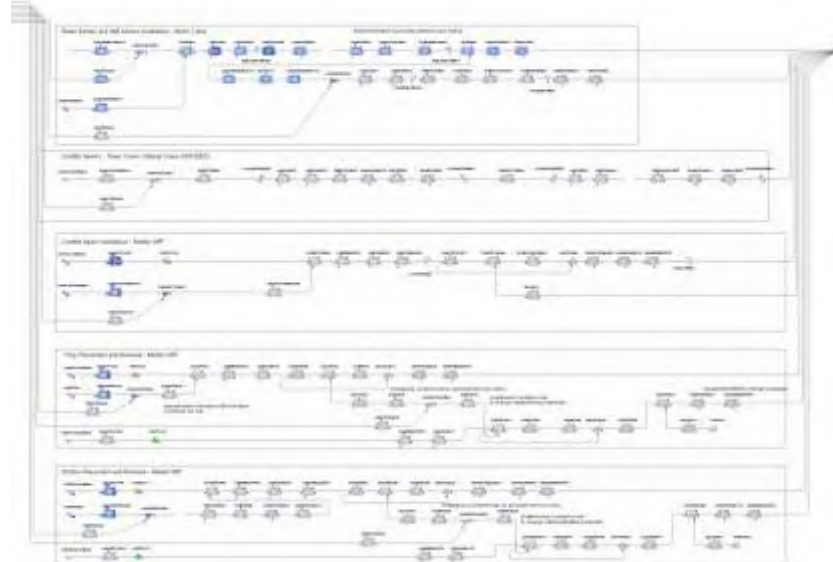
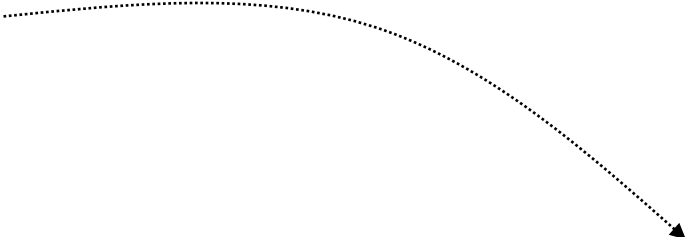




Development



Sequence #	Component	Dependent On	Destination Node
1	BeamFrame	0 GFNode	
2	BeamFrame	1 GFNode	
3	BeamFrame	2 GFNode	
4	BeamFrame	3 GFNode	
5	InfillBeam	4 GFNode	
6	InfillBeam	5 GFNode	
7	ComfloorBeam	6 GFNode	
8	ComfloorBeam	7 GFNode	
9	ComfloorBeam	8 GFNode	



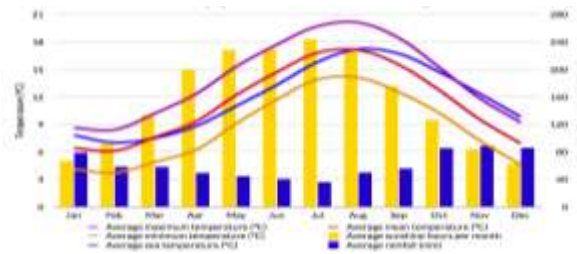
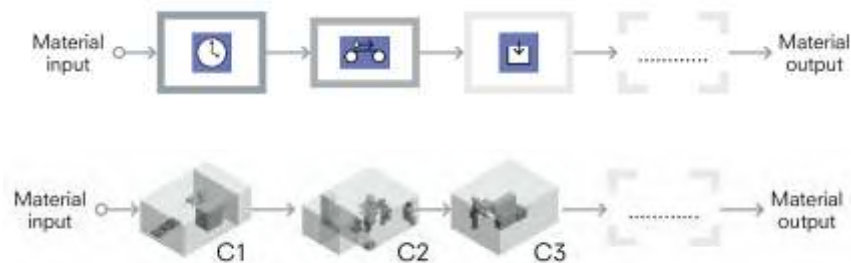
Inputs

Fixed

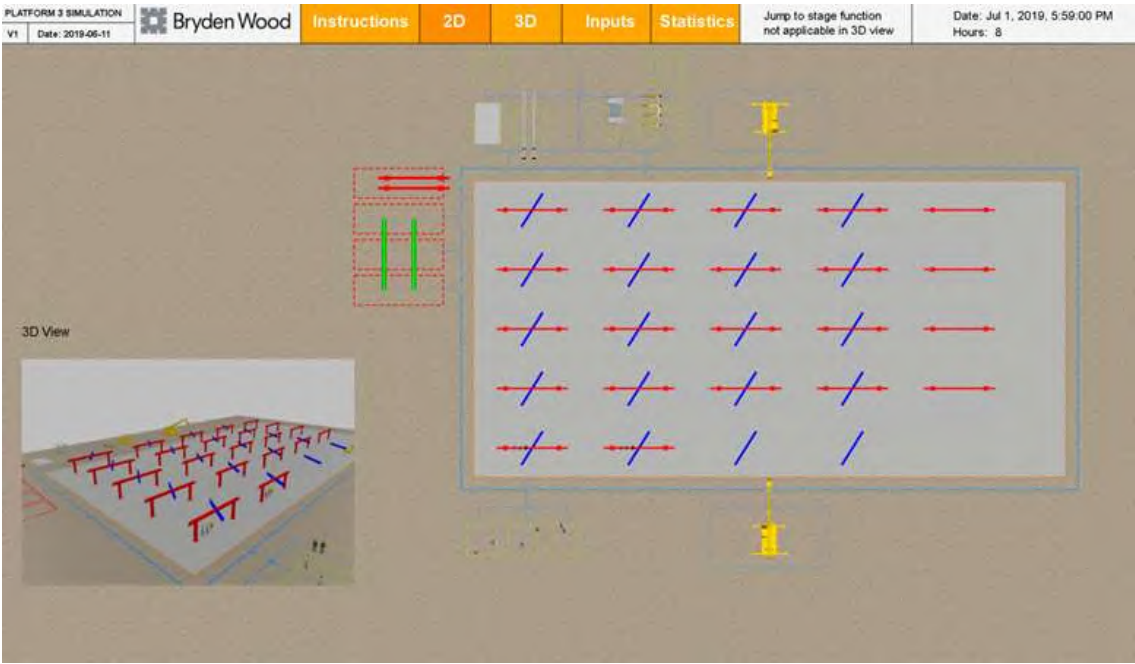
- Component sequence
- Component parameters
- Weather data

Variable

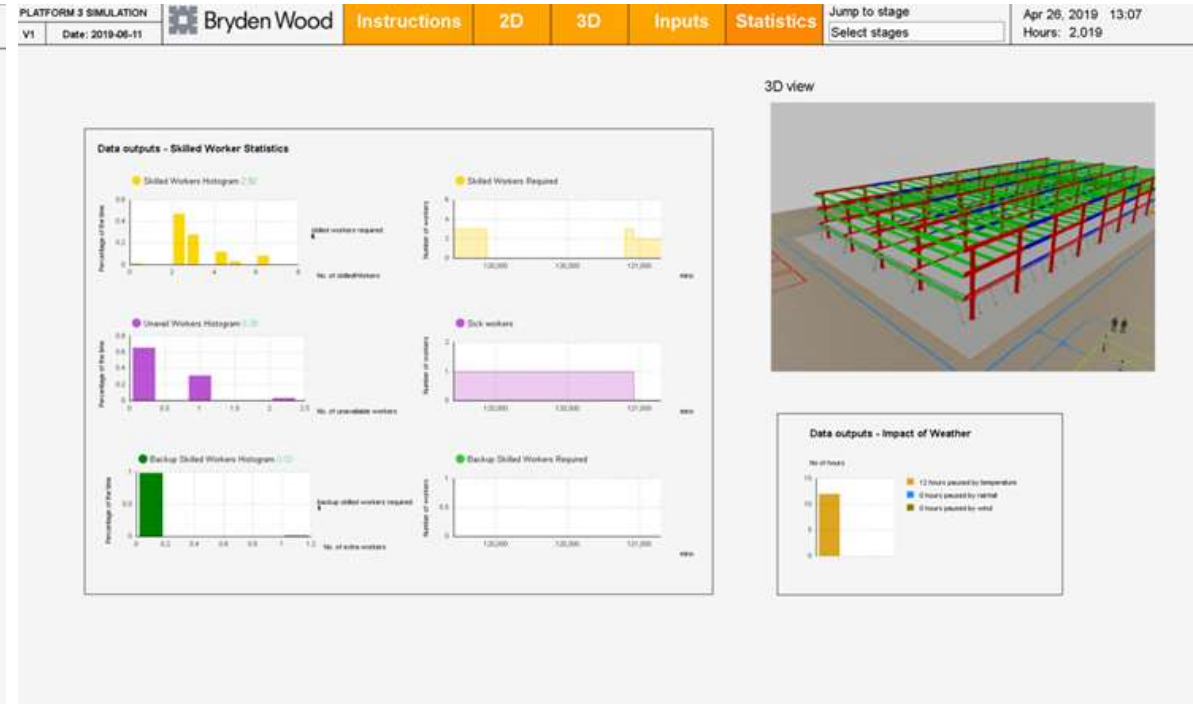
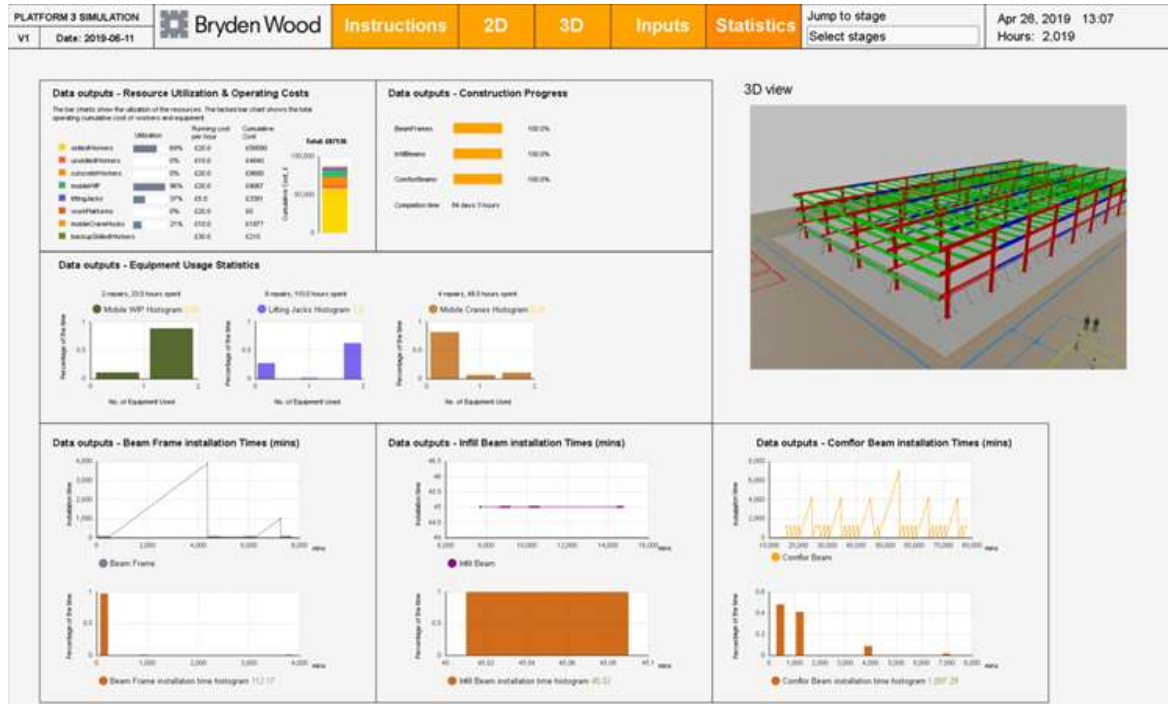
- Site location
- Resource pool sizes
- Resource availability/unavailability
- Shift pattern
- Process timings



Visualisation



Outputs



What's Next?

