

Prototype: Urban structure from waste wood for the Deysselbuurt

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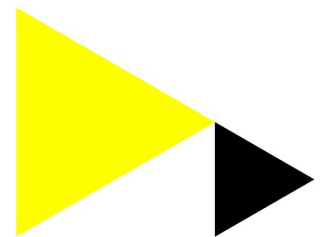
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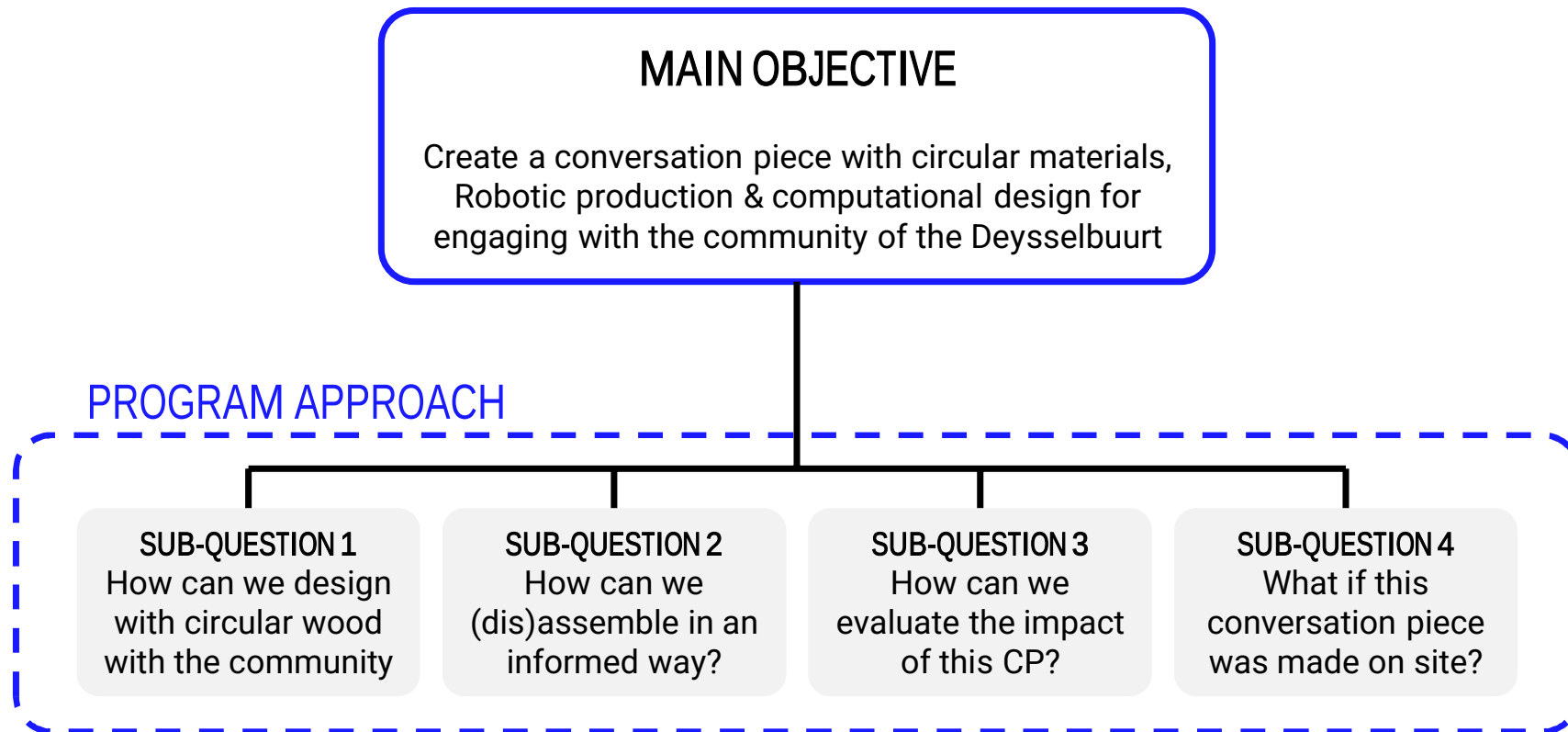
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ROBOTS 4 DEYSSELBUURT

1. Defining research project



1. Introduction Deysselbuurt



Introduction to Deysselbuurt



Cascoland, Rochdale



Renovation plans

4. Makeathon: producing the conversation piece

DESIGN TYPOLOGIES

0



LINEAR
organising along curve

1



INTERSECTING
3D aggregation of units

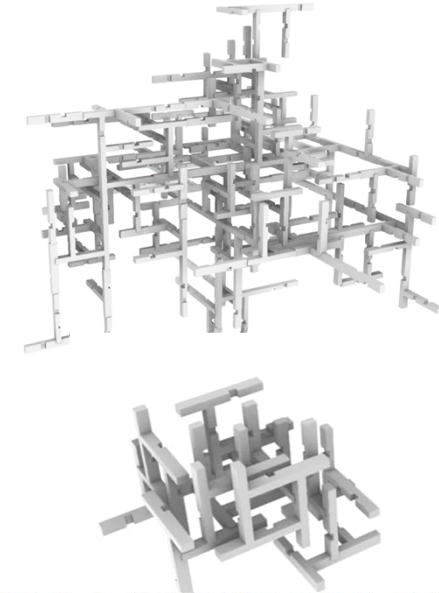
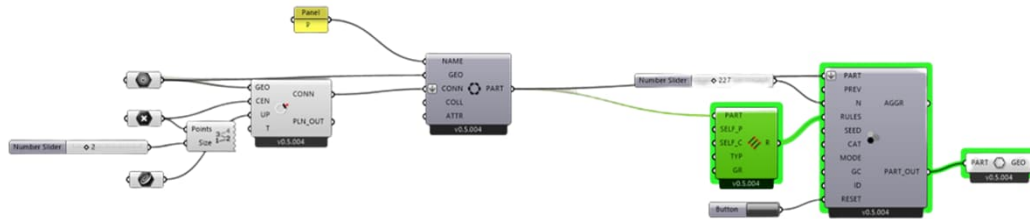
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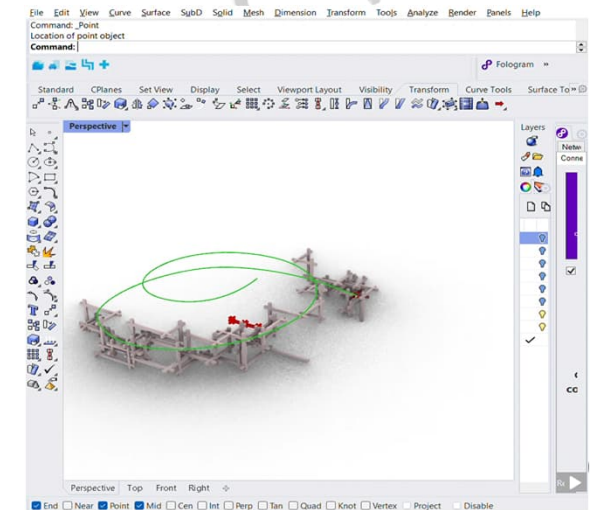
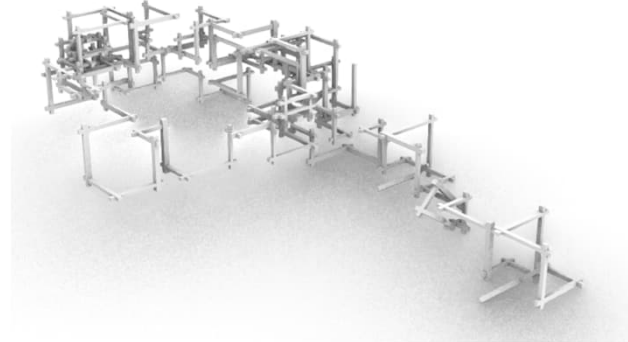
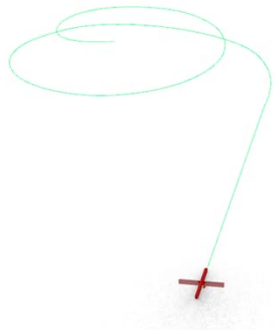
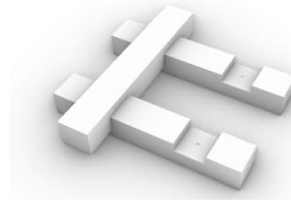
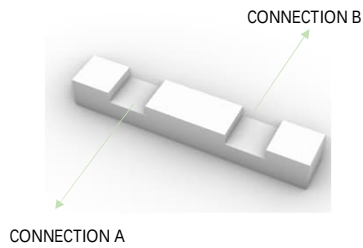
SURFACE DIVISION
Adapt design to fit

4. Makeathon: producing the conversation piece

STRUCTURE DESIGN (WASP)



Wasp Rule Generator



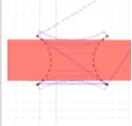
4. Makeathon: producing the conversation piece

MILLING



- 2 sides milling
- 7-15 mins per connection
- Documentation



19062023-2	25	70	300	7	2	20	pine			MILLING_CODE_TEST_13	calibration was a coding mistake, fixed that, also changed the surface infill method	clean cut and corners, does take long (layer depth can be increased), total depth was wrong again (2.5 / 2), curve wasn't fully centered
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