Prototype: Urban structure from waste wood for the Deysselbuurt

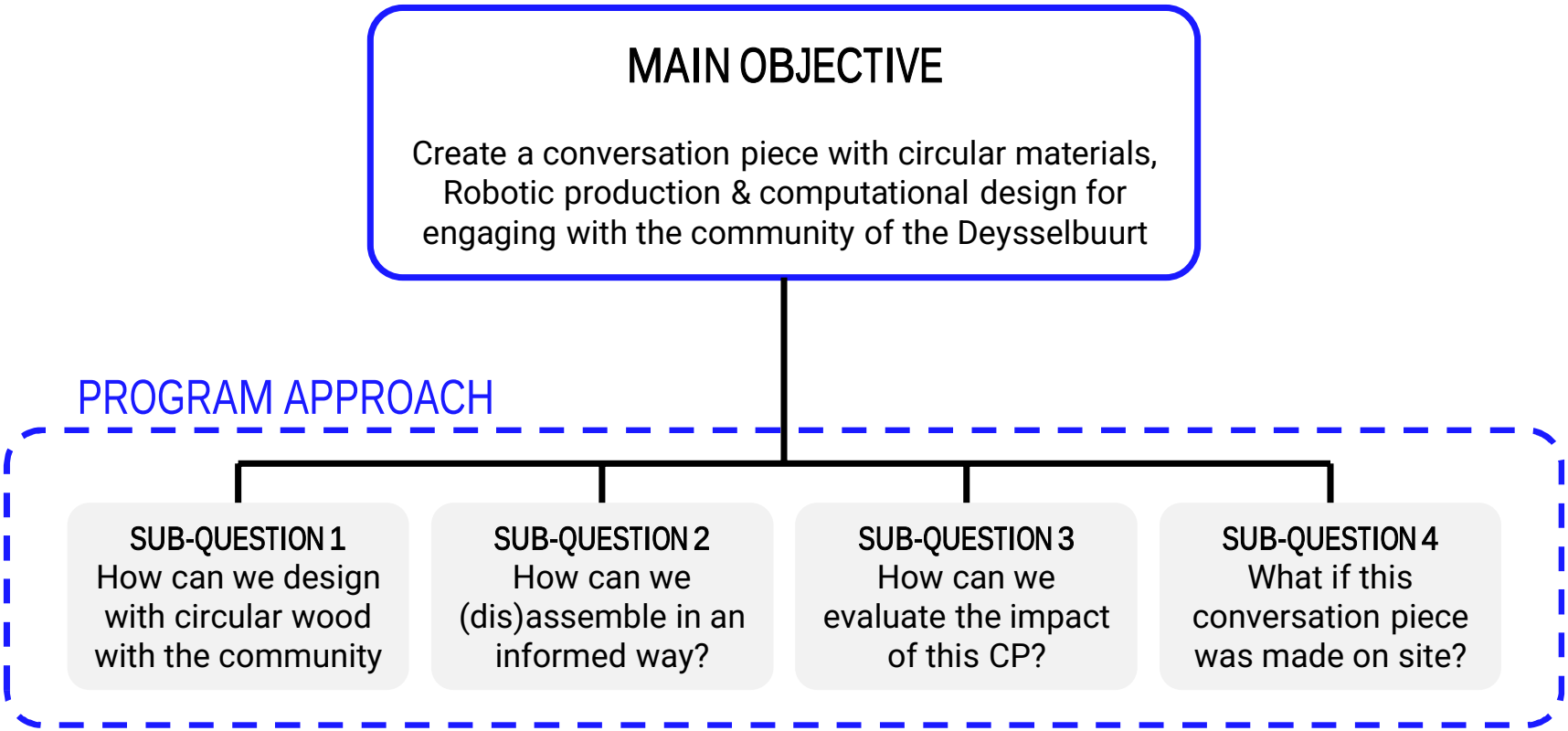
Author(s)
Galli, M.R.; Malé-Alemany, M.

Publication date
2023

Document Version
Final published version

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

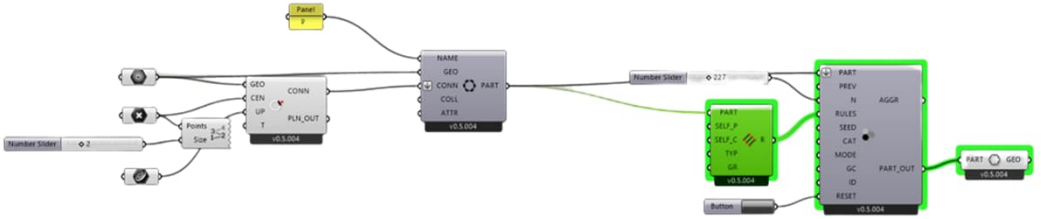
INTERSECTING
3D aggregation of units

2

SURFACE DIVISION
Adapt design to fit

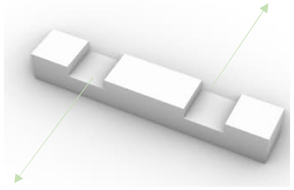
4. Makeathon: producing the conversation piece

STRUCTURE DESIGN (WASP)

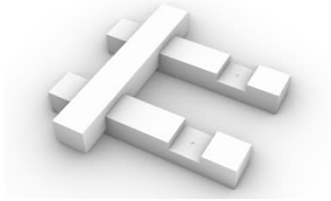


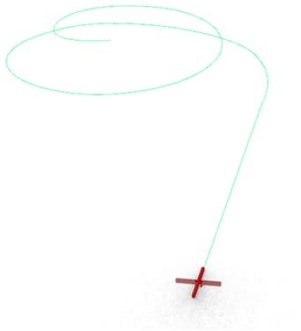
Wasp Rule Generator

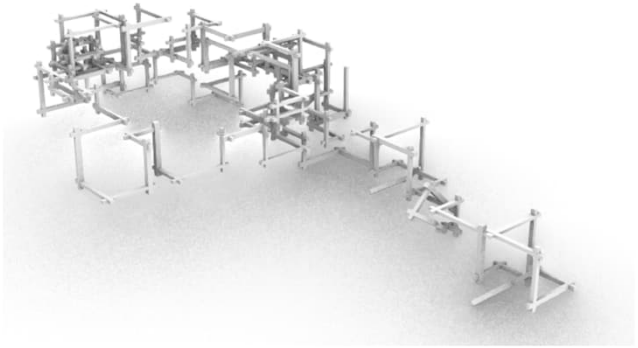
CONNECTION B

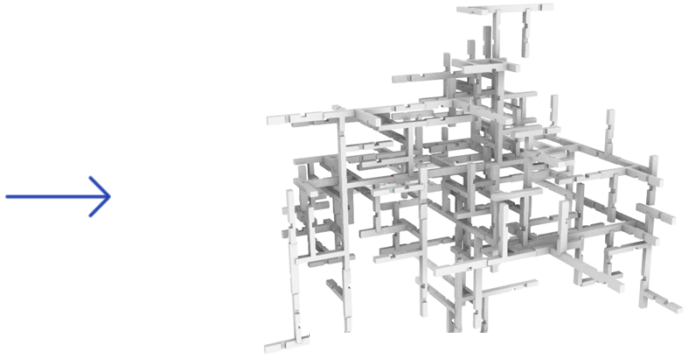


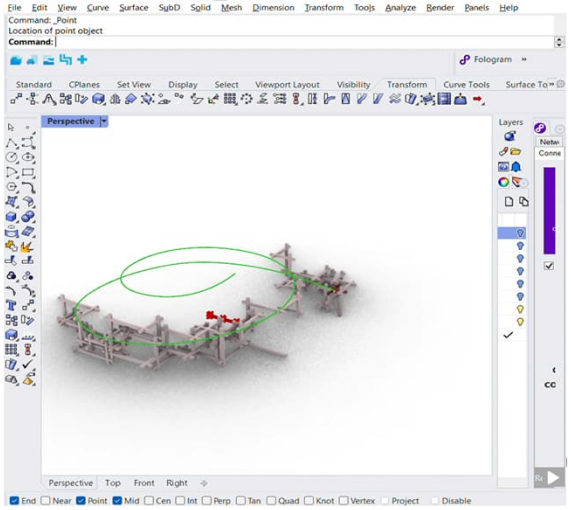
CONNECTION A





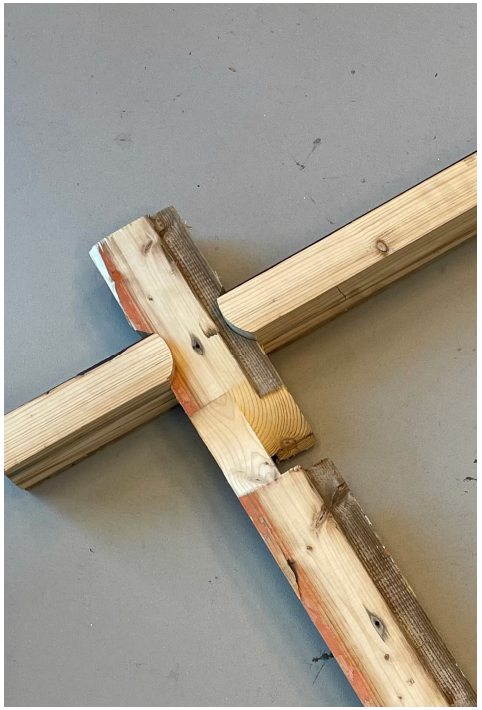


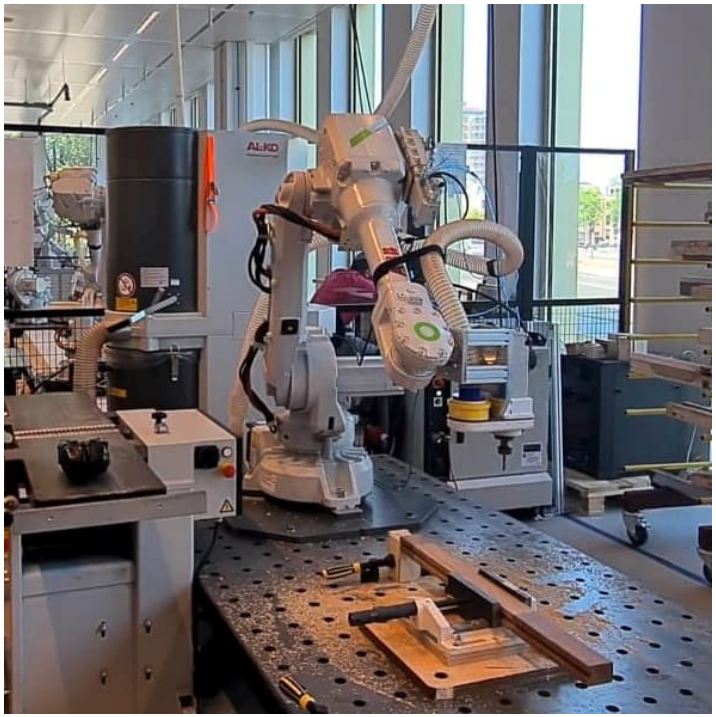




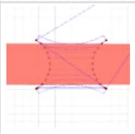
4. Makeathon: producing the conversation piece

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