

SOFTWARE TOOLS FOR GENERATIVE DESIGN

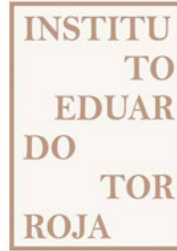
THE WORKFLOW OPTIMIZATION FOR INDUSTRY 4.0



NORSPA



Olsson



Tenorio Sotorrio

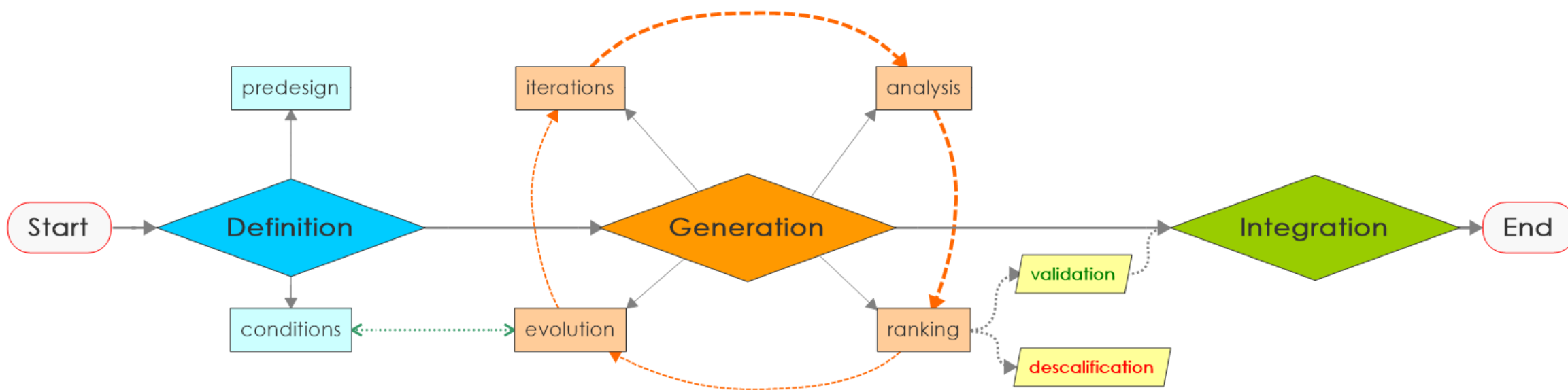


Alonso



NORSPA

TEAM



DEFINITIONS

GD TOOLS CATEGORIES



ARC



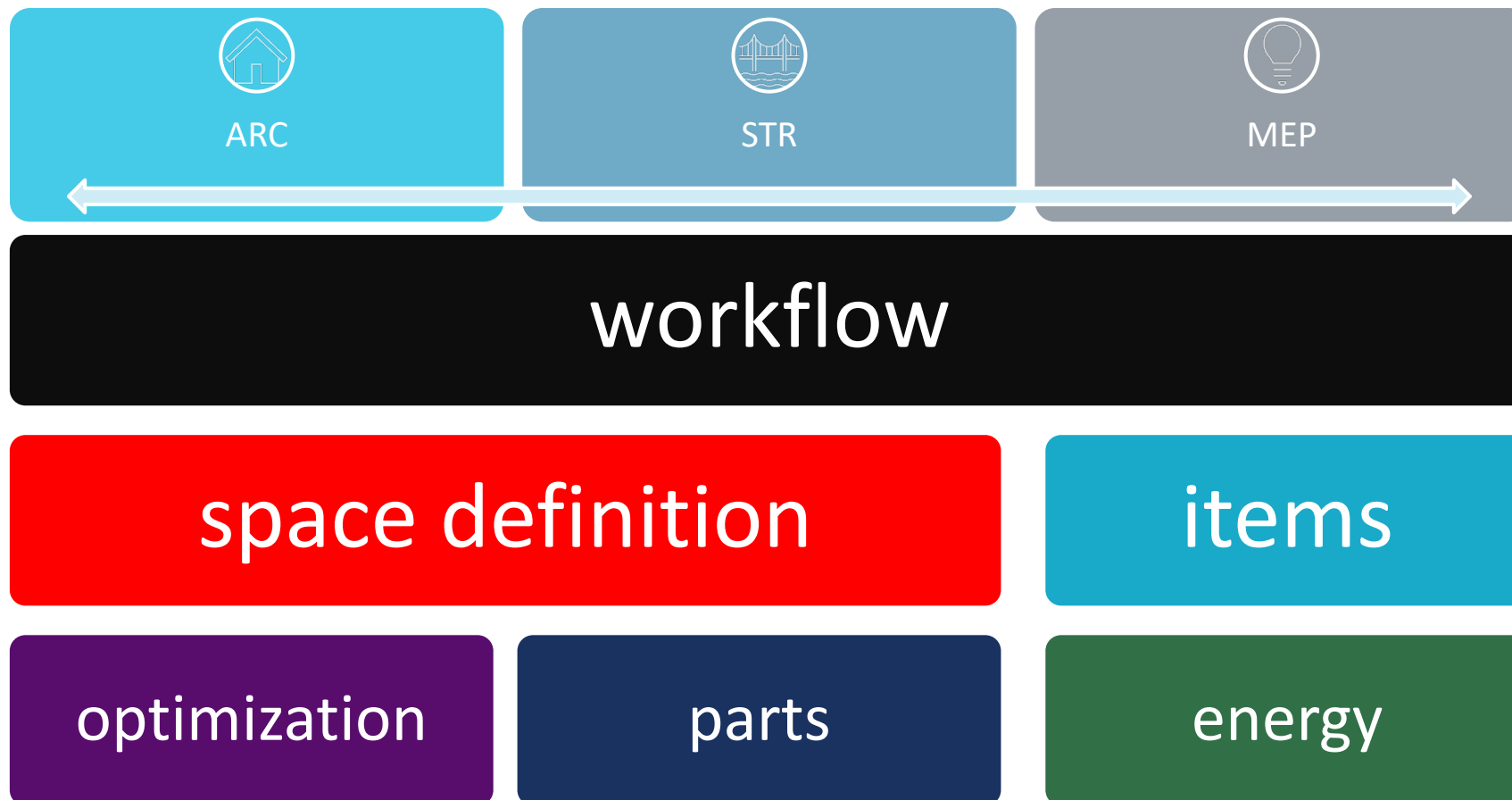
STR



MEP



GD TOOLS OBJECTIVES



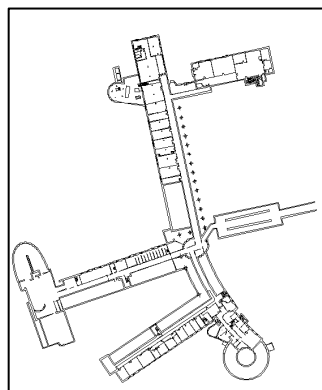


DISTRIBUTION

Torroja Covid place 2021 002

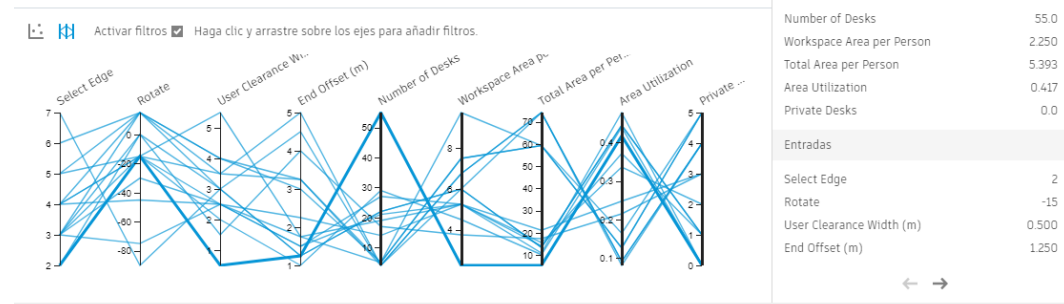
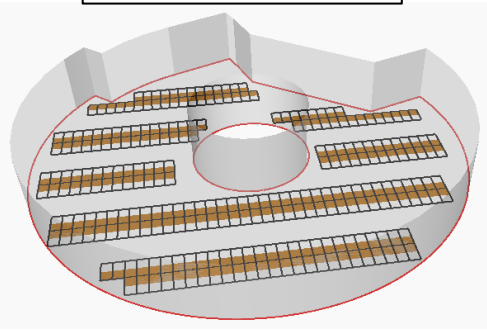
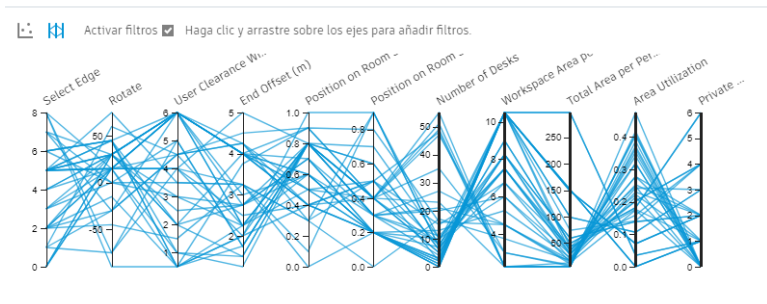
Ordenar por: Number of Desks

Commutar ascendente/descendente



Torroja Covid place 2021 001

Ordenar por: Number of Desks

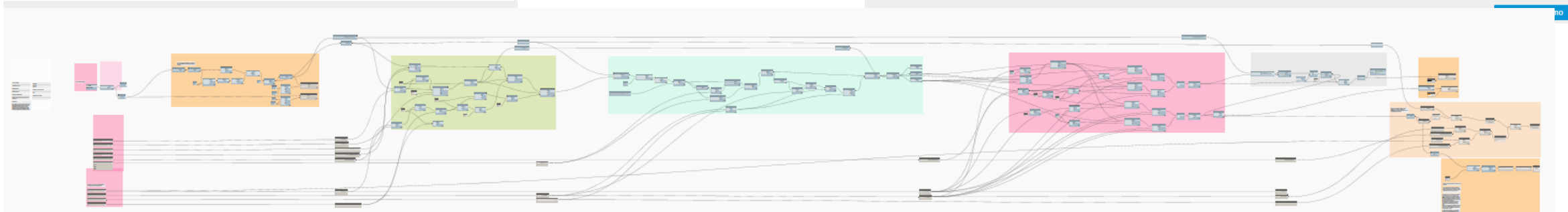


Salidas

Number of Desks	55.0
Workspace Area per Person	2.250
Total Area per Person	5.393
Area Utilization	0.417
Private Desks	0.0

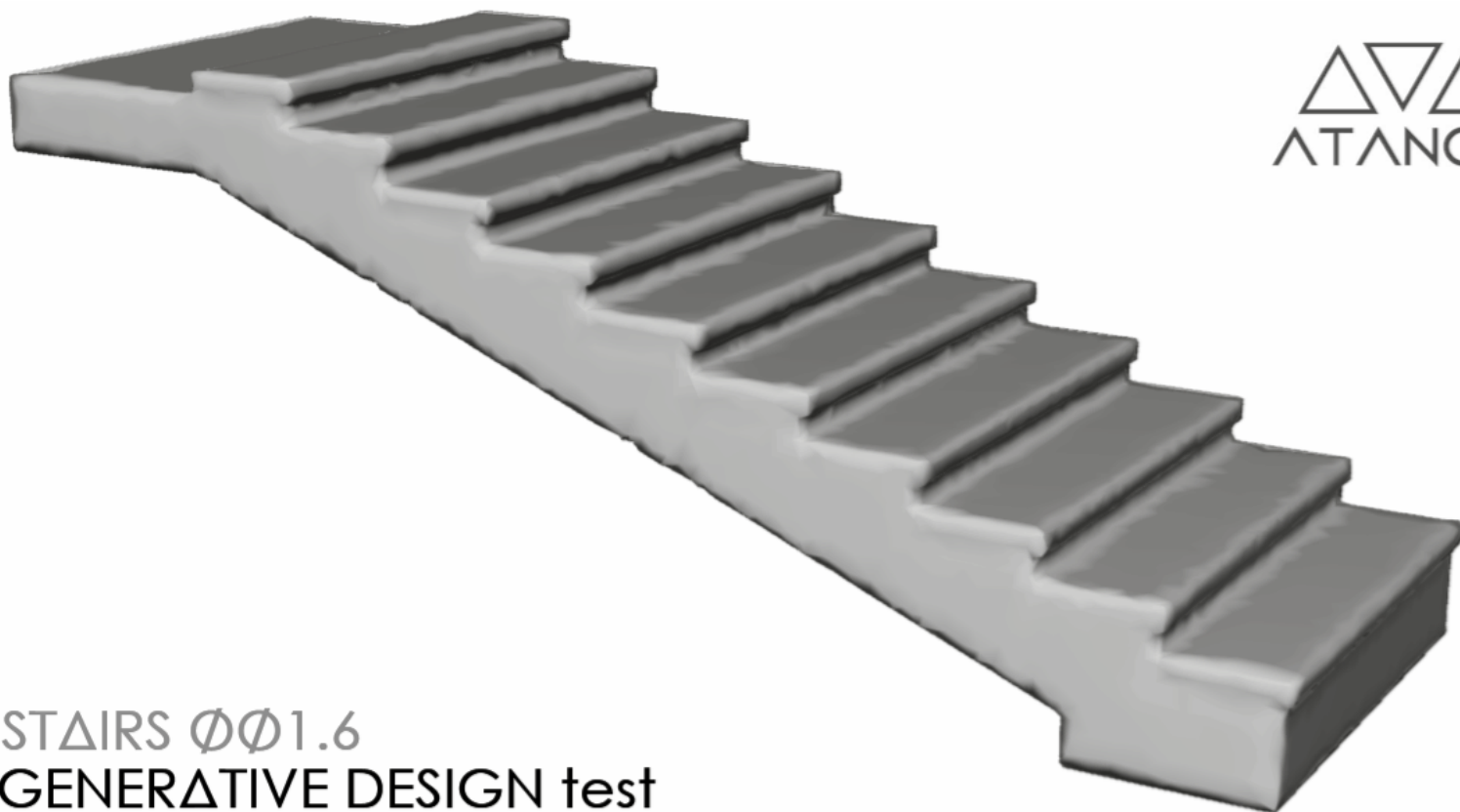
Entradas

Select Edge	2
Rotate	-15
User Clearance Width (m)	0.500
End Offset (m)	1.250

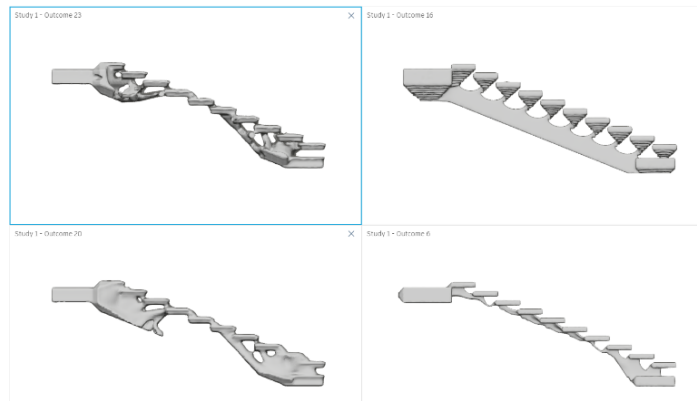




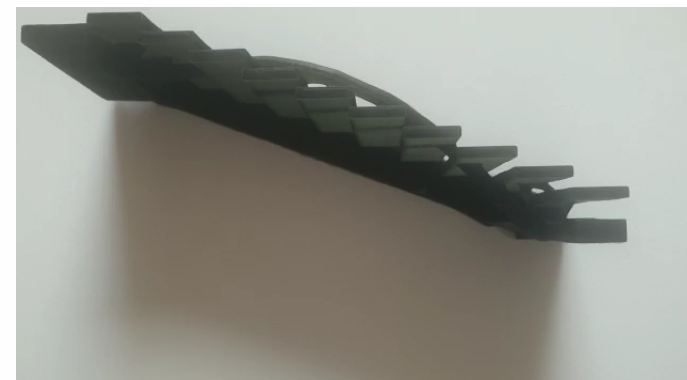
STAIR



Ø ms

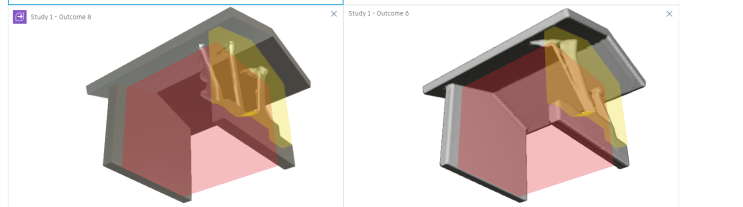
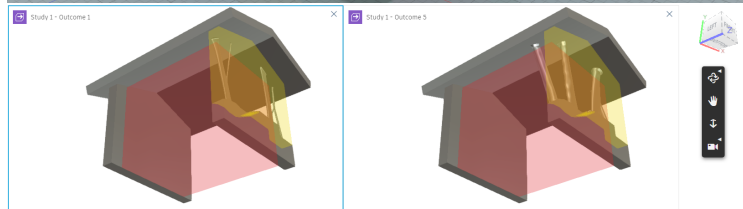
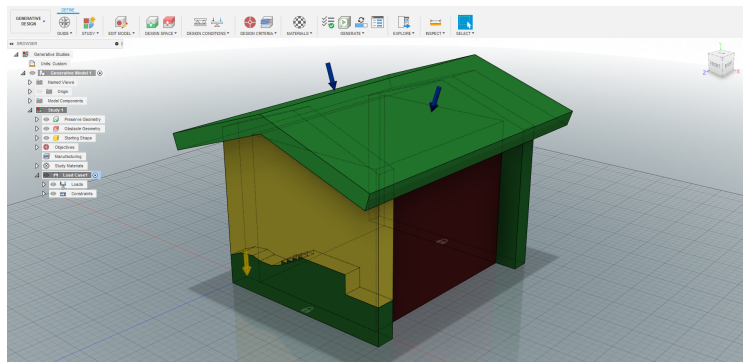


STAIRS ØØ1.6
GENERATIVE DESIGN test



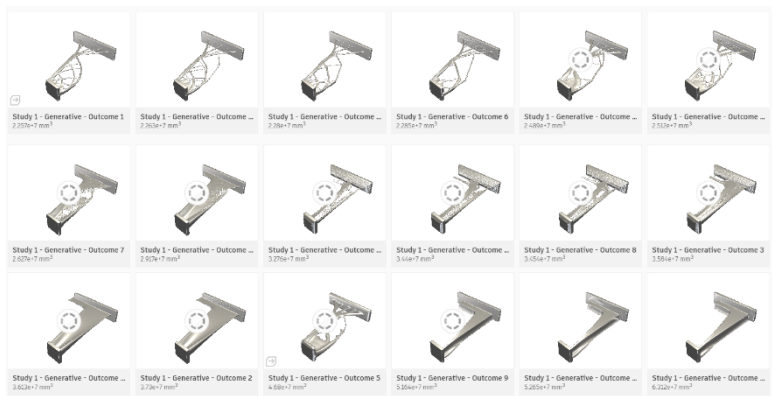


WALL RECONSTRUCTION

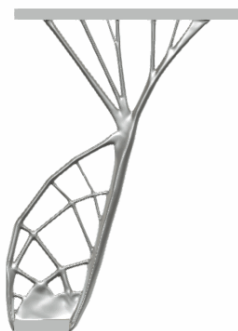




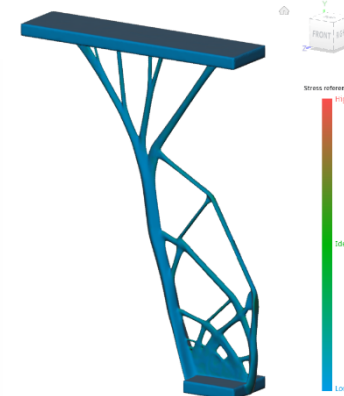
STRUCTURAL COLUMN



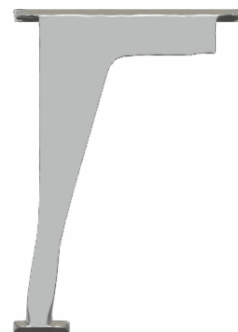
Study 1 - Generative - Outcome 1



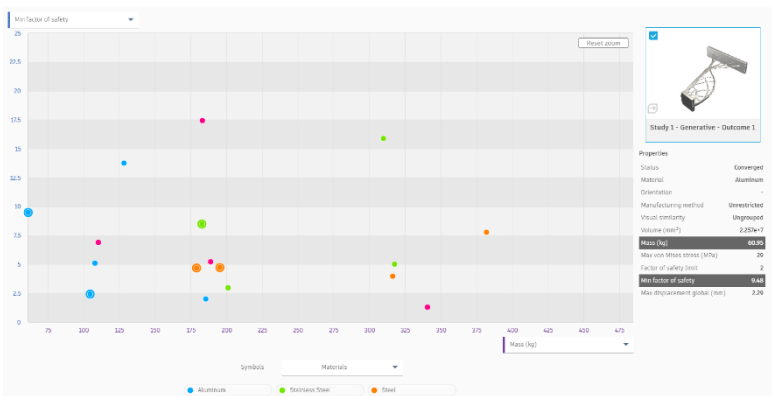
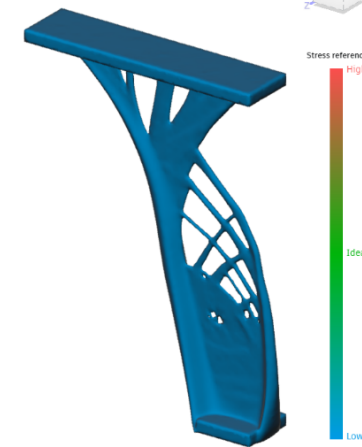
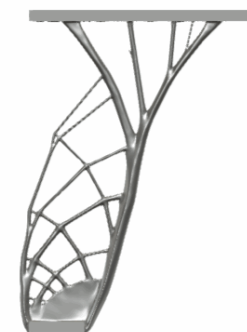
Study 1 - Generative - Outcome 6



Study 1 - Generative - Outcome 4

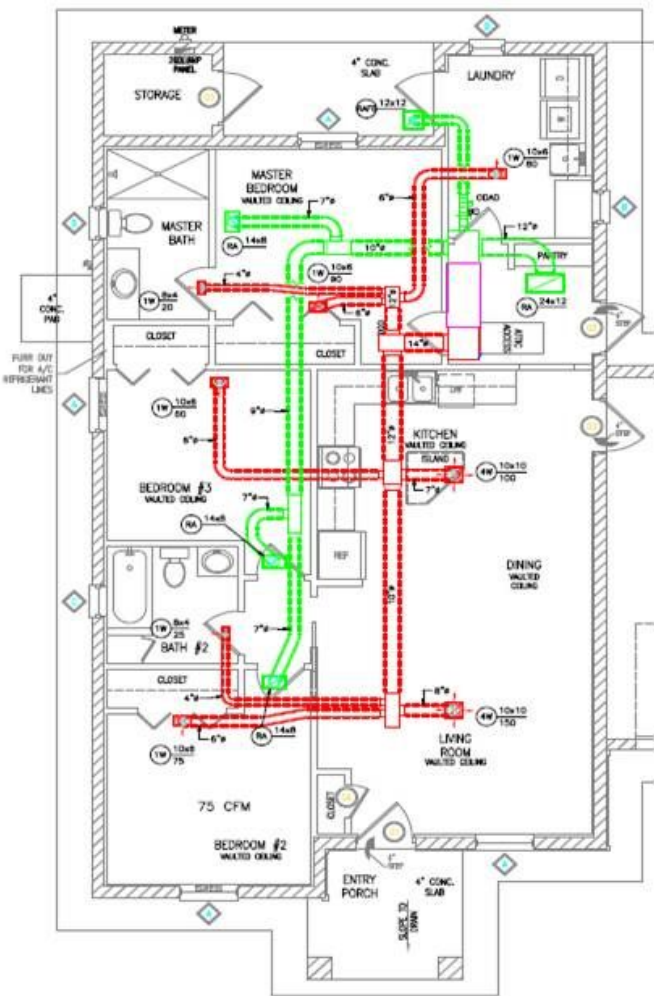


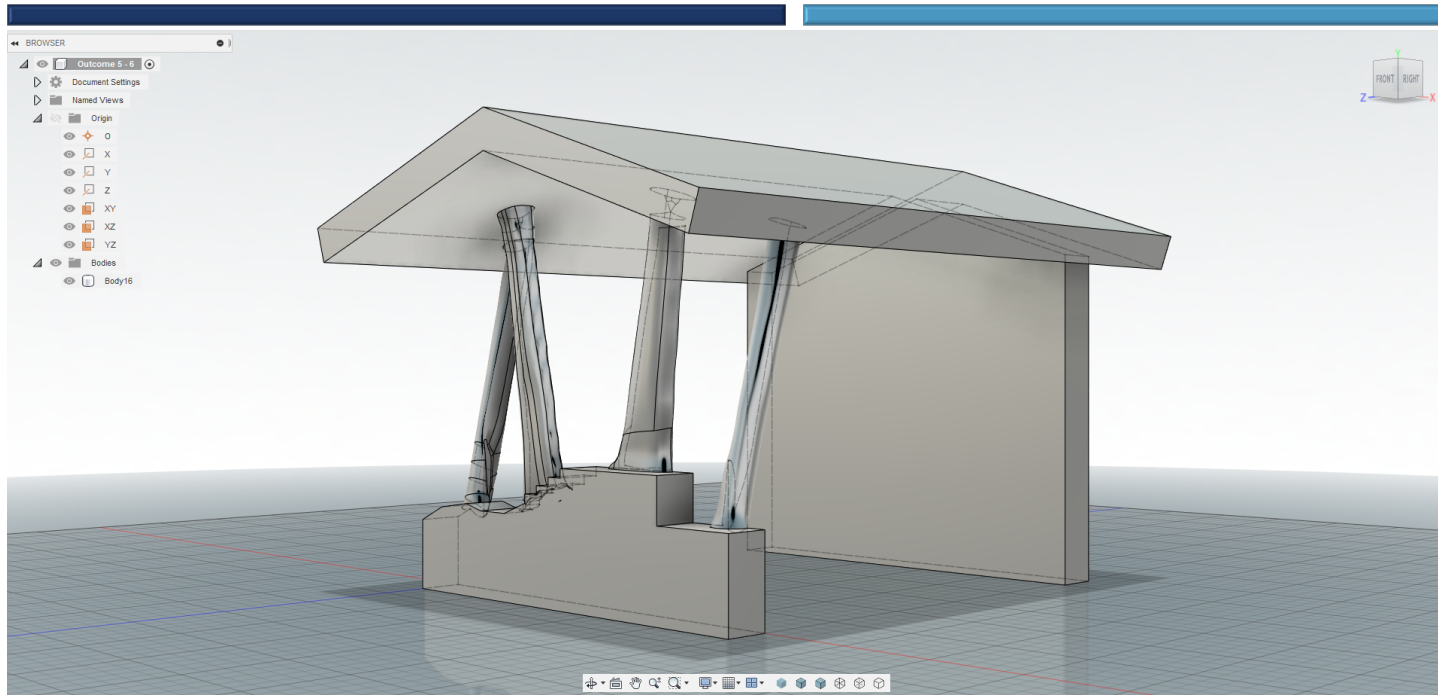
Study 1 - Generative - Outcome 10





MECANICH ELECTRIC PLUMBING





THANKS
TAKK
GRACIAS



NORSPA