

# VOIMAT

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## Statement

The piece is sculpted through forces of tension and gravity, induced by carefully arranged stones, strings, and hooks. It plays with the contrast between lightweight & heaviness, man-made & natural, and geometric & organic. Origami tessellations are applied to a simple sheet of paper to change its form and properties dramatically. The material choice and process were guided by values of ecological sustainability.

## Conceptual Idea

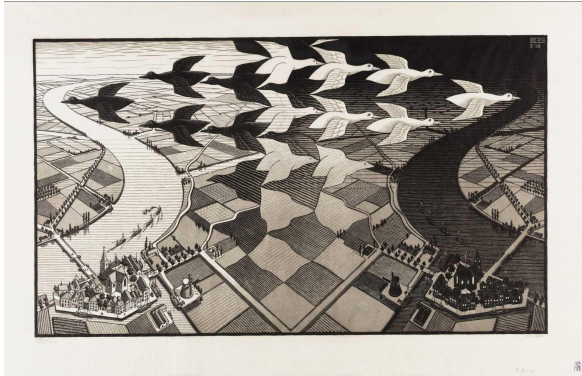
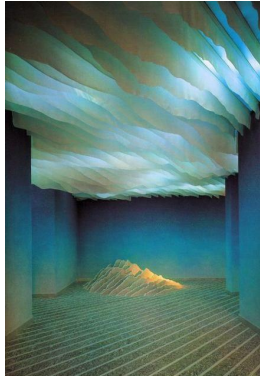
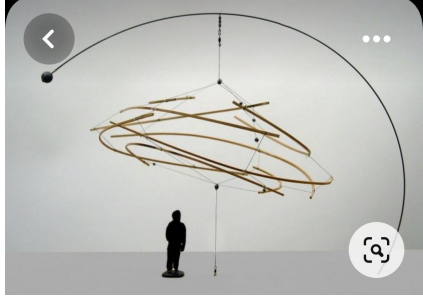
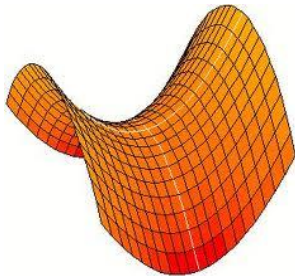
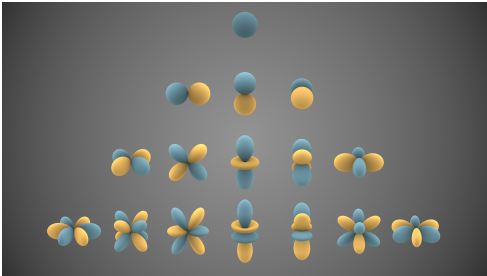
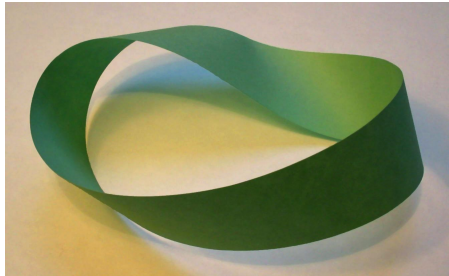
If a material has a certain ratio of stiffness and flexibility, it reacts to deformation and strain by naturally creating smooth curves between extremal points of opposite action. We wanted to explore the properties of such a material and visualize the induced tension as well as its aesthetic response by twisting, stretching, contracting and distorting it.

We also see that materials are just mediums to visualize those conservative forces and potential energy inside and outside the piece. The tension appears in tight yarns that are like tuned strings, and it makes paths through foldings and hooks from stone to stone.

# Milestones

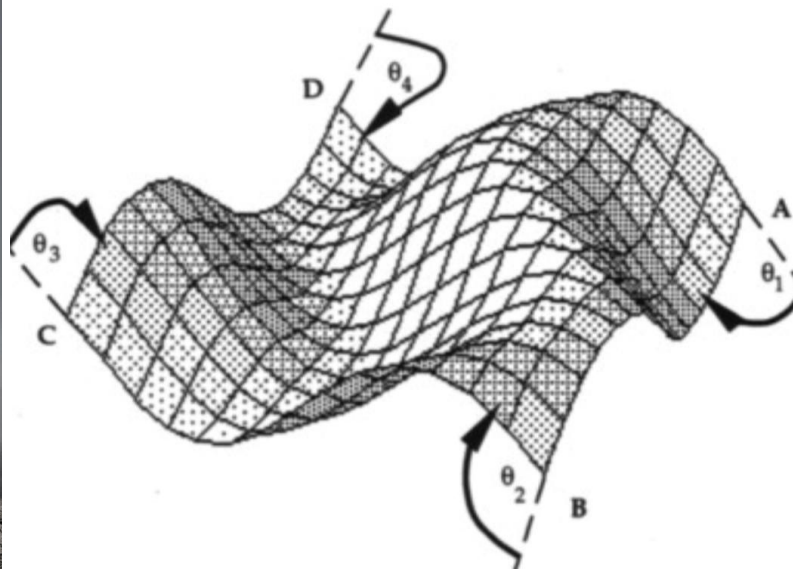
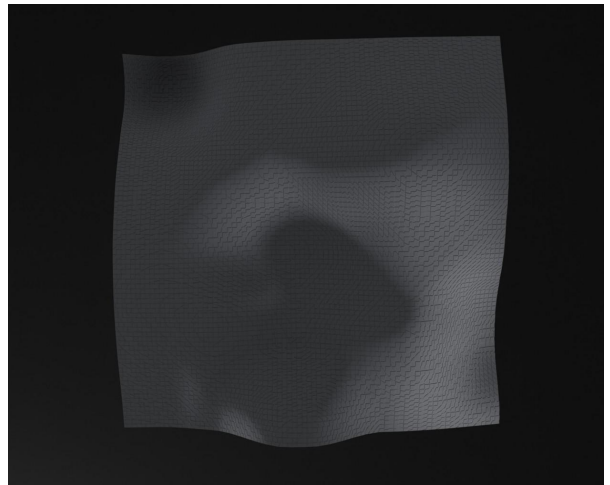
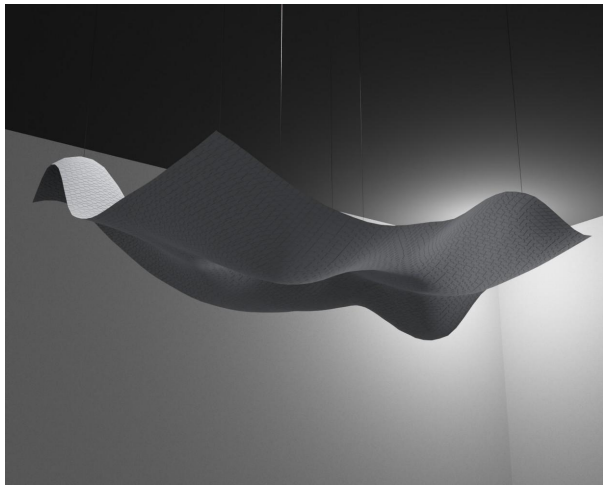
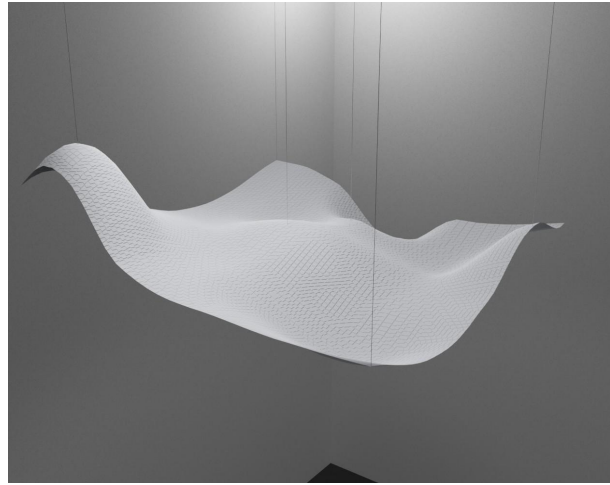
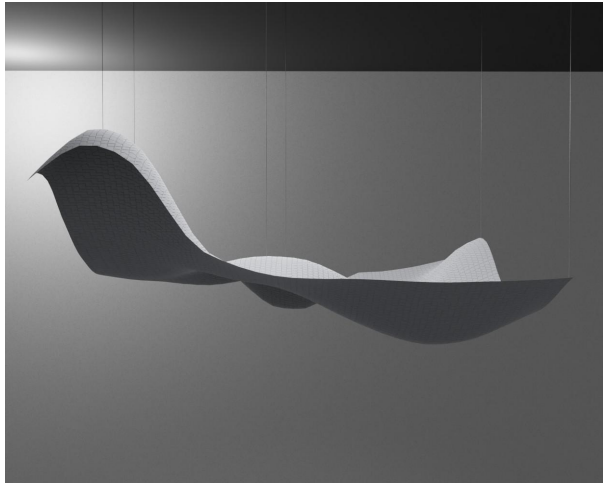
## Stage 01 / January - February

Ideas and References



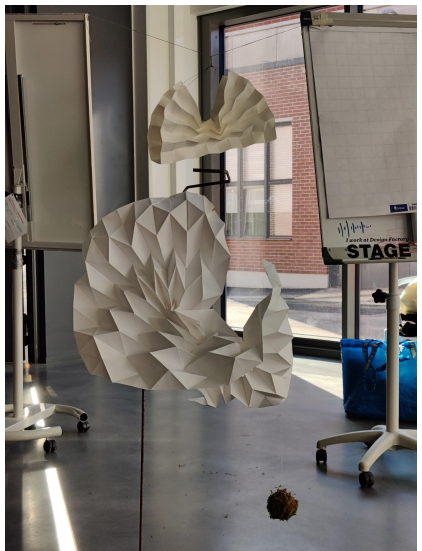
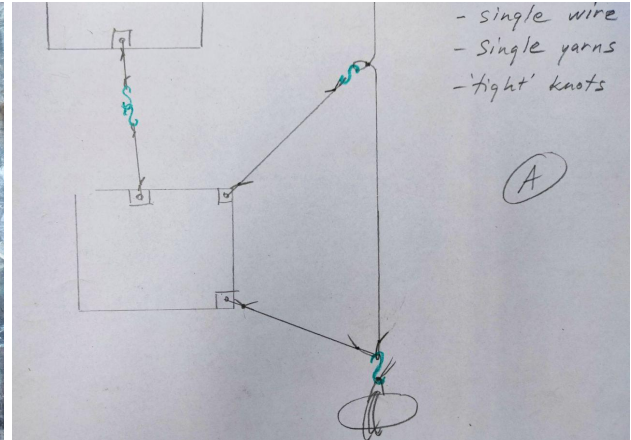
# Stage 02 / February - March

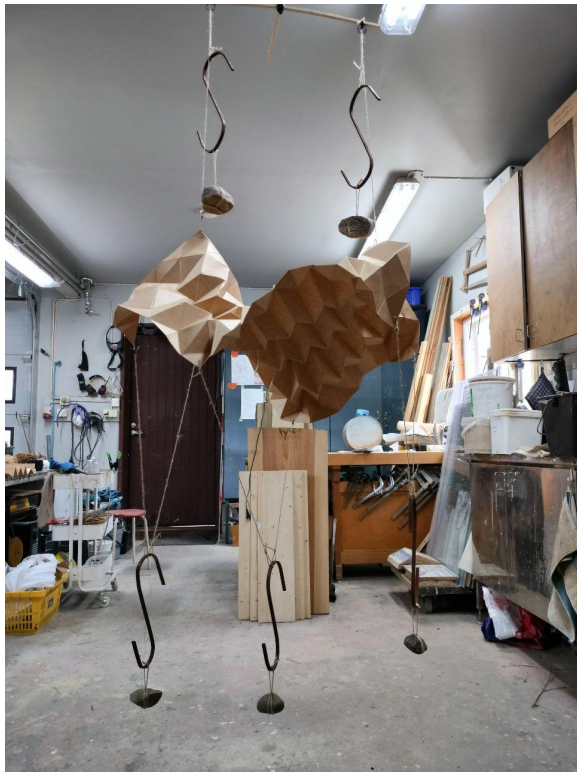
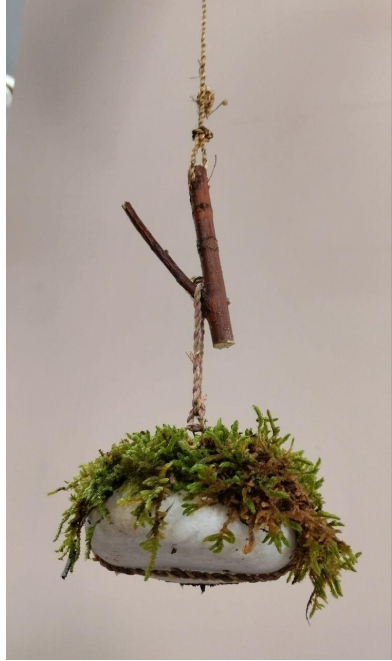
Preliminary Concept



# Stage 03 / March - April

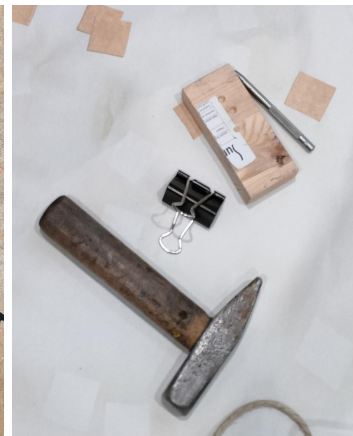
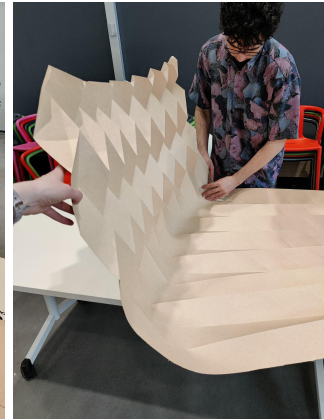
Planning and Prototyping

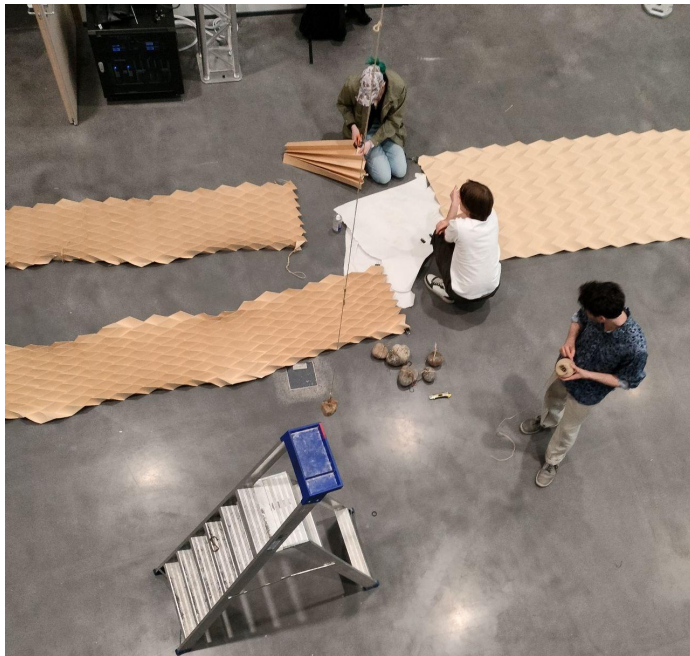
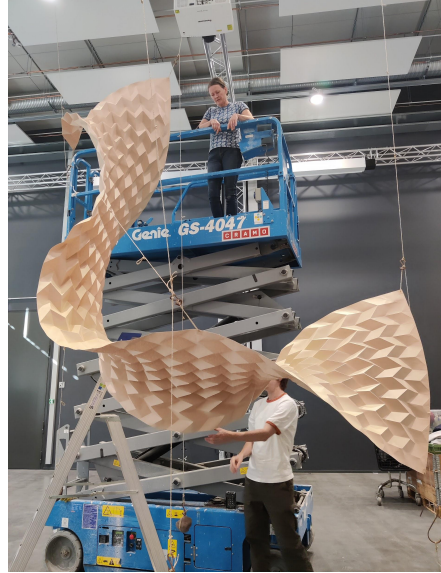




# Stage 04 / April - May

## Implementation





# Stage 05 / May - June

Finished Work

