

Practicum II Project Brief

In our current times, the mass use of non renewable fuels, and inefficient use of our resources are counterintuitive towards our fight against climate change. If we don't change how we rely on energy, or change our way of obtaining it, we could cause un-repairable damage to our planet.

How can we help against the fight of climate change with architecture? How can we provide a reliable, sustainable, and resource efficient housing options in the future?

TASK

Design a modular home that is both self sufficient and relies on green renewable energy. The house must be able to be constructed and stay in a multitude of environments and climates. The house must have varying options regarding size, design, and extra rooms or utilities.

Project Requirements:

- House must:
 - Be Self Sufficient
 - Use Renewable Energy
 - Work in multiple locations
 - Be Modular
 - Have Multiple Options

Presentation Requirements:

- Catalog of Modular options
 - Details on layouts
 - List of sustainable materials
 - List of green utilities
- Finished Renderings
- Fully Developed Plans
 - Floor
 - Elevation
 - Section
 - Roof
 - Varying Site Plans
- Final Models

Project Process:

- Research
 - Info on green housing
 - Info on sustainability
 - Info on Green Materials
- Preliminary concept designs
 - Work in Sketchbook



- Trace paper concept work
 - Study Models
- Final Designs
 - Computer designs
 - Final Models
 - Renderings
- Presentation Work
 - Catalog
 - Touch up work

Software Used: REVIT