

# SEED HOUSE

Urban / Rural living with Environmental Intelligence



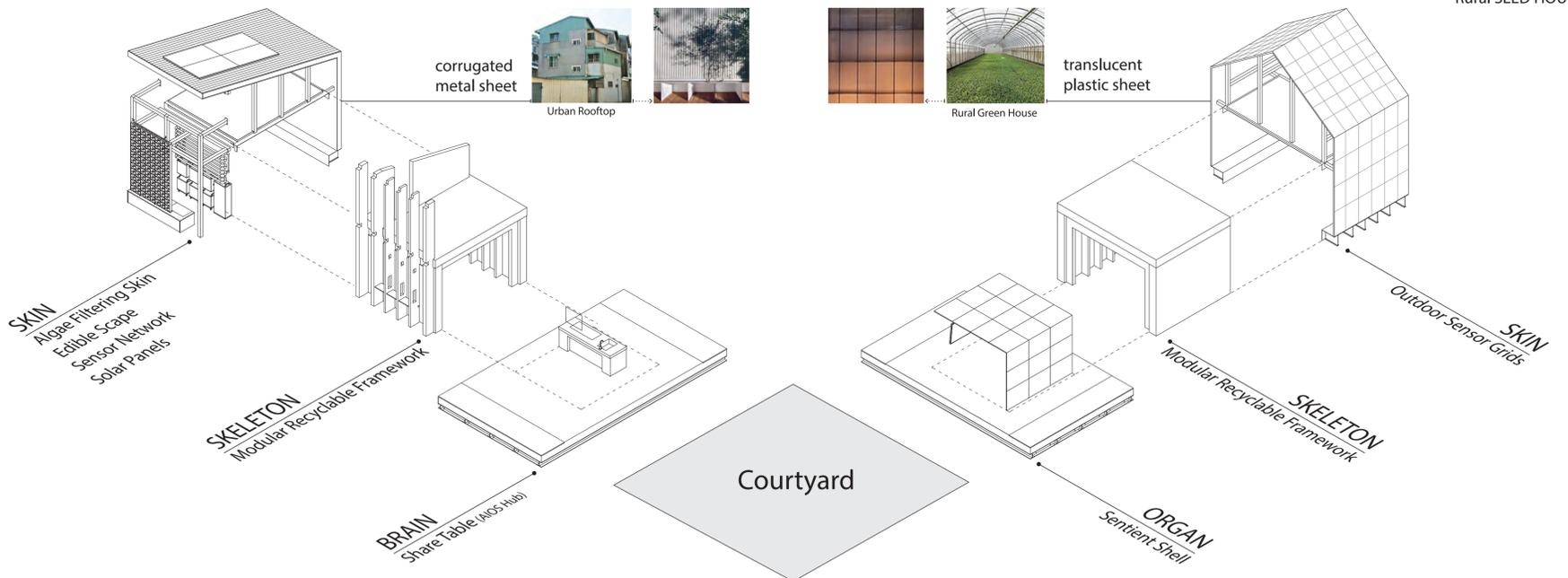
Urban SEED HOUSE



Rural SEED HOUSE

## "Biophilic" Residential Prototype

This project intends to design a "biophilic" residential prototype with various intelligent modules to support environmental and social connections. Through the installation of several smart modules and its AIOS sensor network, the SEED house enables a more self-sufficient, sustainable, and balanced lifestyle in both urban and rural areas.



hardware

### SKIN

eco-envelope

hardware

### SKELETON

recyclable structure

### NERVOUS SYSTEM

IOT sensor network

software

### BRAIN

A.I.O.S Hub  
(Architectural Intelligence Operation System)

### Life in Green

Algae Filtering Skin and Edible Scape are vertical greenery for sustainable living.

#### Algae Filtering Skin (P.3)

- # Smart Air Quality Control
- # Balance with Symbiotic Process

#### Modular Recyclable Framework (P.5)

- #Netzero Material (waterproof CLT)
- #Recyclable/Reassemblable Structure
- #Expandable Space

#### Edible Scape (P.4)

- #Self-sufficiency
- #Social connection
- #Assemblable planting pots

[exchange with community]

### Remote Co-Living

Share Table is the IoT sensing hub for environmental control and distant cooking.

#### Share Table (P.6)

- #IoT Control and Sharing Hub
- #Social Data
- #Environmental Data

### SmArT Space

Sentient Shell enables creative and healing interaction in daily life.

#### Sentient Shell (P.7)

- #Situational Feedback
- #Hybrid & Sensible Material
- #Responsive Space



URBAN

RURAL