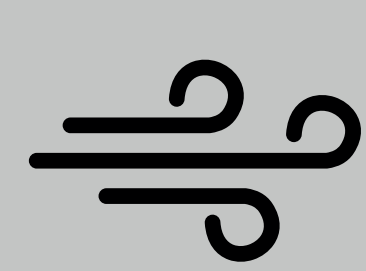
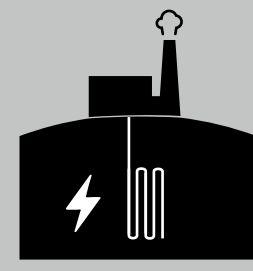


SOLAR

HELIOSTAT CPV SYSTEM 42%
EFFICIENCY CONVERSION
190 M2 BY MODULE
788 KW BY MODULE
169 MODULES
133 MW IN MANNHEIM

EOLIC/
KINETIC

PIEZOELECTRIC SYSTEM
60 PIECES BY MODULE
62 KWH BY MODULE
248 MODULES
15.4 MWH IN MANNHEIM



GEOTHERMAL

CLOSED LOOP SYSTEMS 10%-25%
EFFICIENCY CONVERSION
ELECTRICITY AND HOT WATER
PRODUCTION

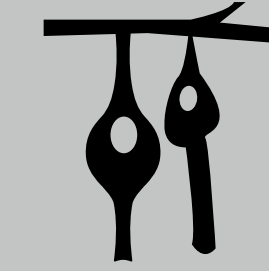


RAINFALL

HARVESTING AND INFILTRATION
SYSTEM
280 M2 OF CAPTATION BY MODULE
116 M3 OF HARVESTING BY MODULE
169 MODULES
30.000 M3 IN MANNHEIM

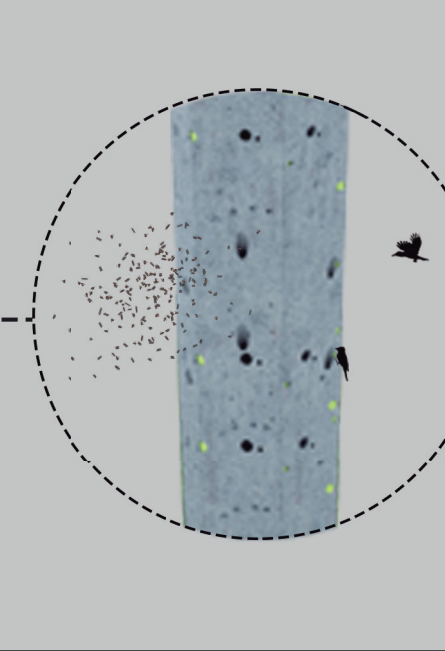
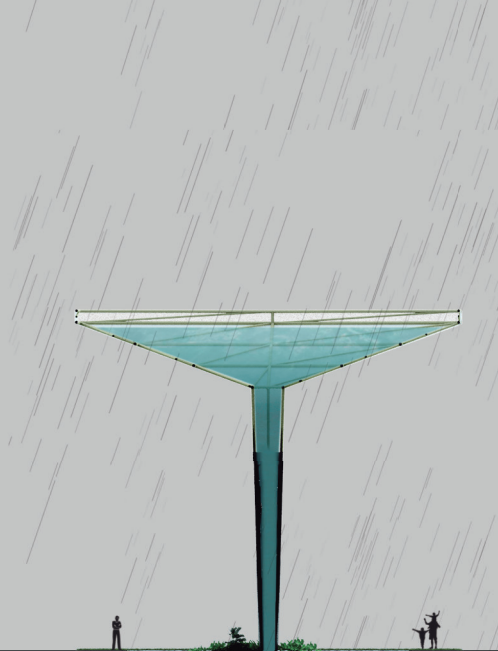
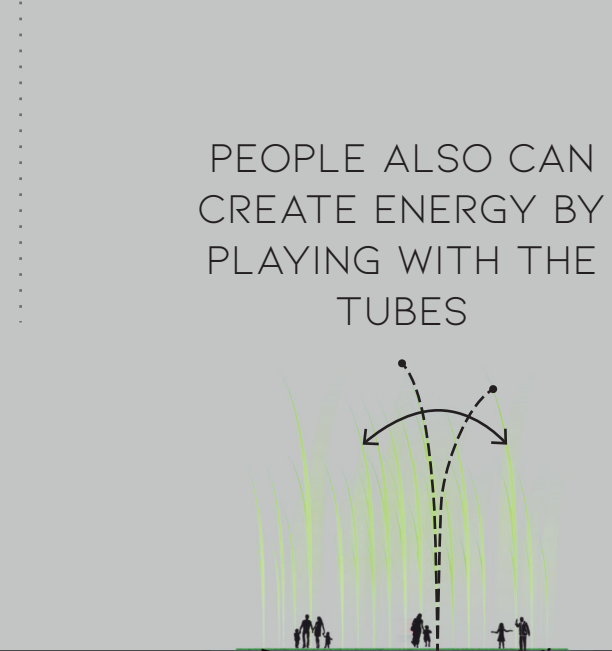
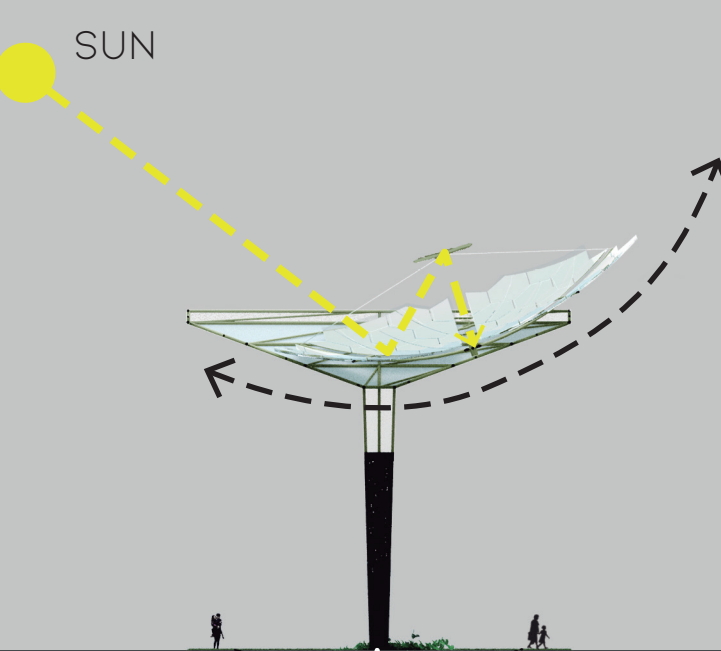
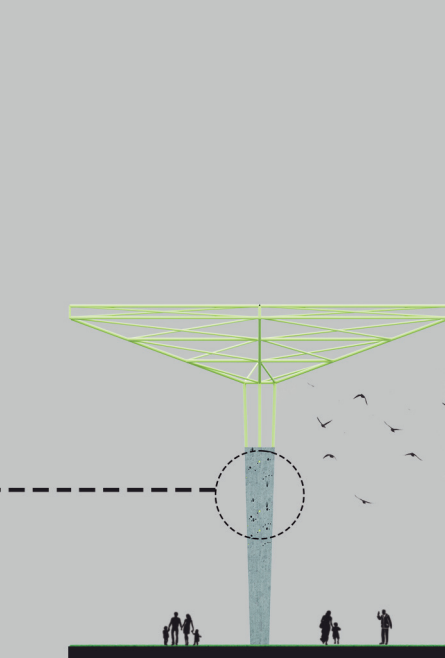
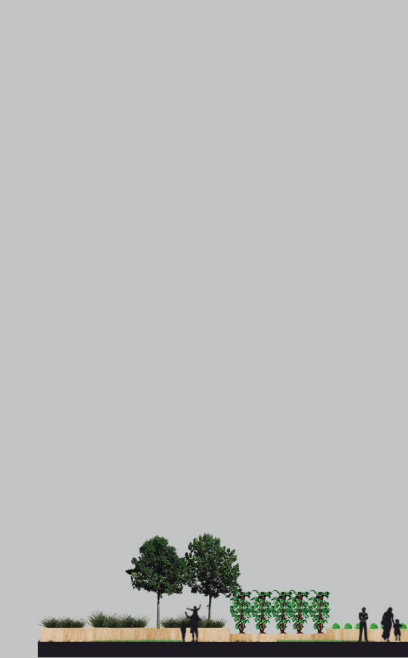
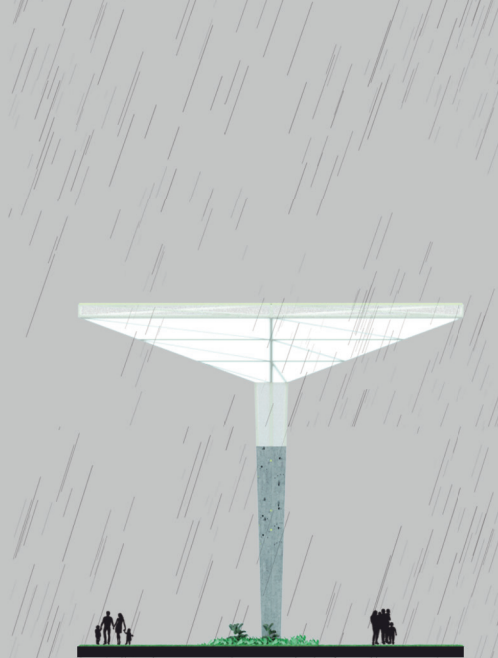
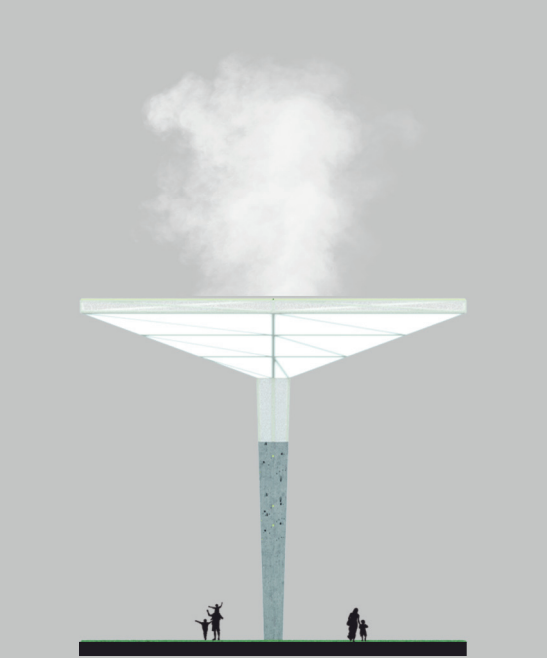
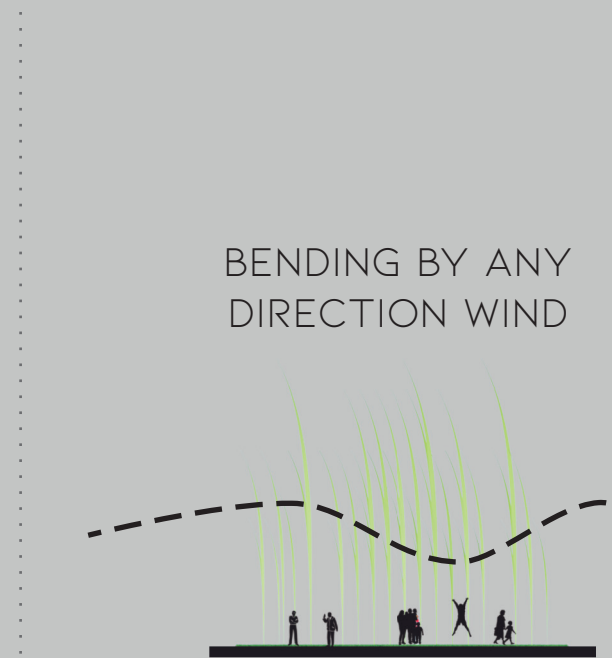
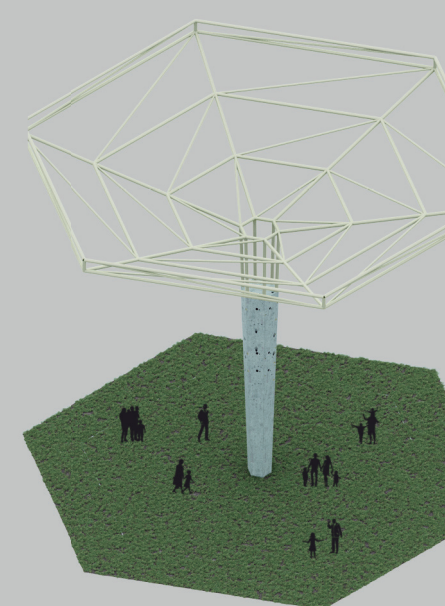
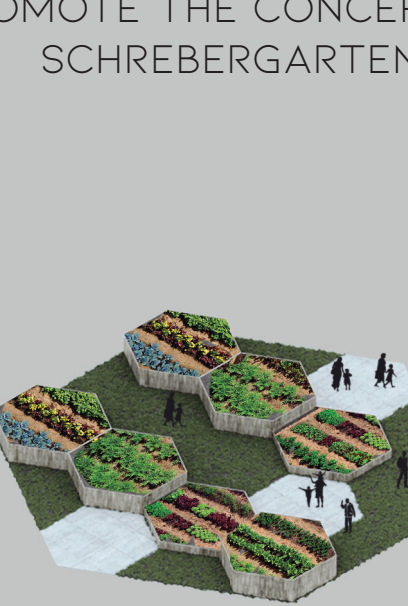
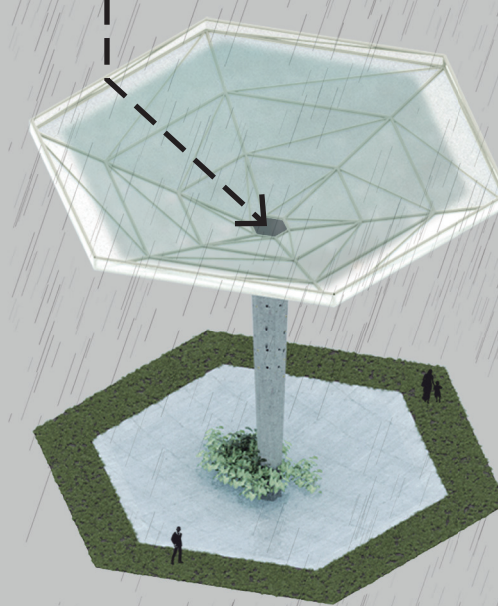
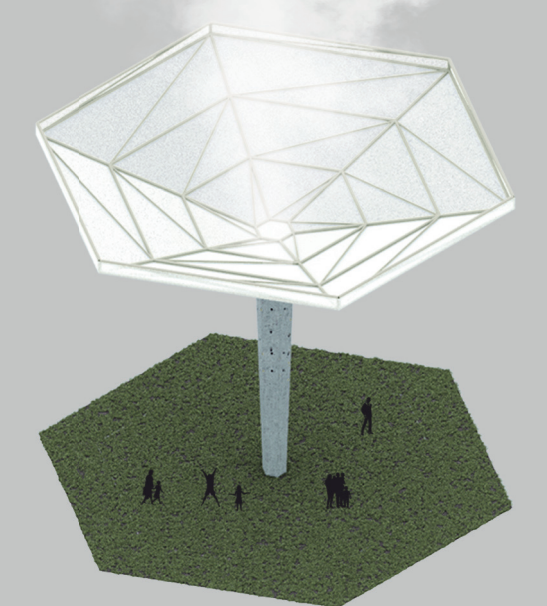
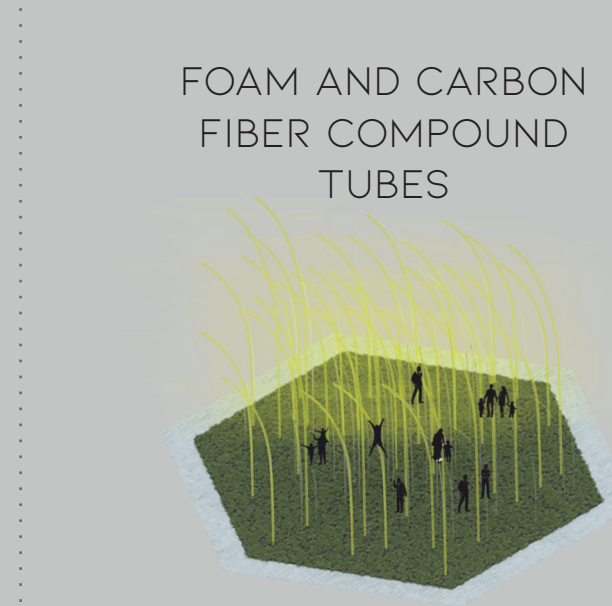
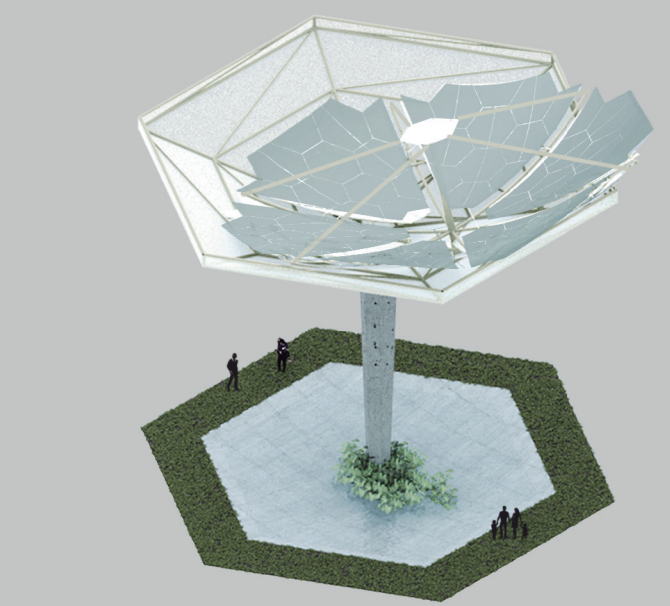
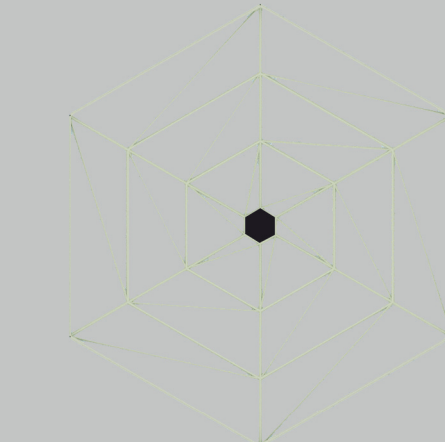
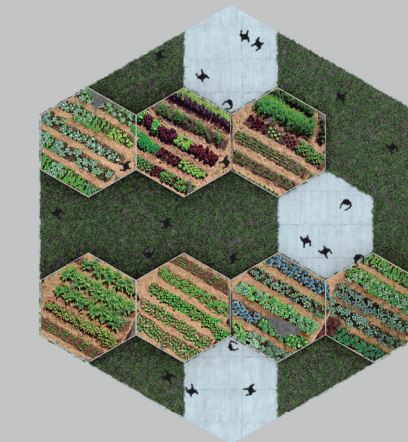
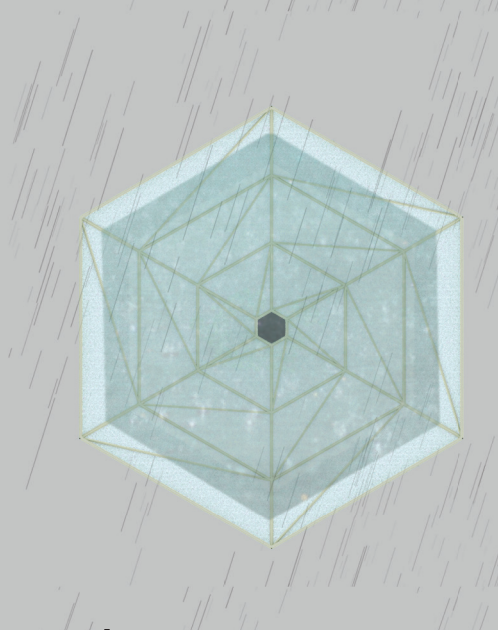
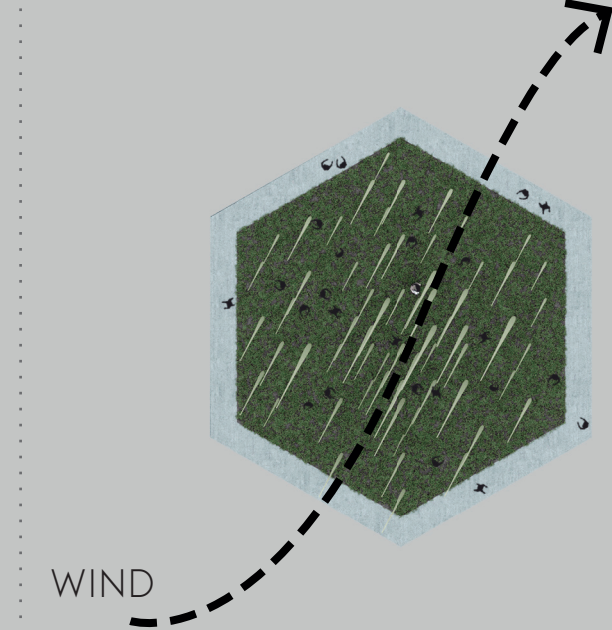
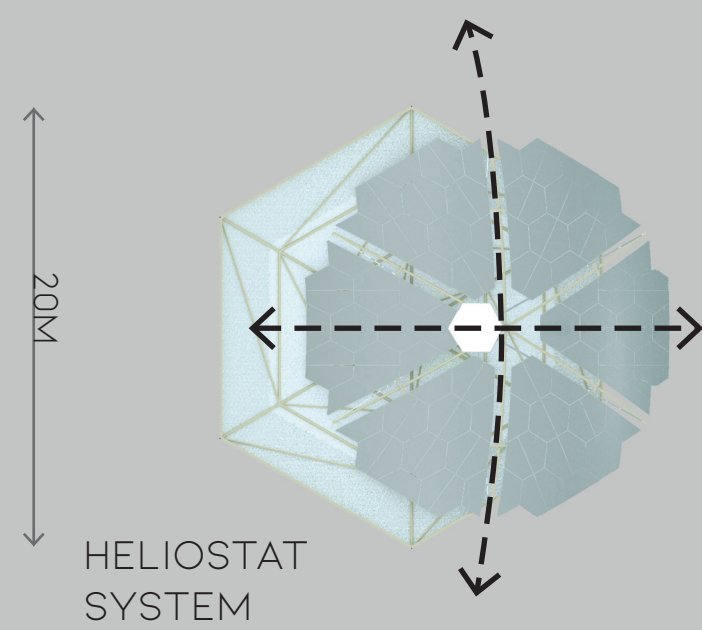
SCHREBER-
GARTEN

COMMUNITY GARDENS
110 M2 SUBSTRATUM BY MODULE
103 MODULES
11.4 HA IN MANNHEIM



SHELTER

EVERY VERTICAL MODULE HAS
PERFORATIONS. INSECTS OR BIRDS
CAN USE THEM LIKE SHELTERS
180 PERFORATIONS BY MODULE
169 MODULES
30.400 SHELTERS IN MANNHEIM



TO
SMART
GRID

PIEZOELECTRIC
SENSORS

ENERGY
CONVERTER

CLOSED
LOOP
WELLS

RAINFALL
HARVESTING

INFILTRATION
WELL FOR
PREVENTING
FLOODS

CAPILLARITY
IRRIGATION
SYSTEM

THIS
STRUCTURE
IS TOTALLY
ORGANIC AND
NON-HARMFUL
FOR THE ENVIRON-
MENT. IT WAS CLEAR
THAT THIS PRINCIPLE IN
COMBINATION WITH THE FORM
OF THE HONEYCOMB CELL COULD
WORK AS A RECIPIENT FOR RAINFALL
WATER AND SUN, GENERATING AN AESTHETIC,
SELF-SUFFICIENT AND ADAPTABLE STRUCTURE.

THE ADAPTABILITY IS ONE OF THE MOST IMPORTANT CHARACTERISTICS
OF THIS PROJECT. A GLOBAL SOLUTION SHOULD BE REPLICATED SUC-
CESSFULLY ANYWHERE ON EARTH. IN GENERAL TERMS THIS MODULE
CONSISTS IN A PHOTOVOLTAIC DISH, A FUNNEL THAT COLLECTS RAINFALL
WATER, A TRANSLUCID MEMBRANE THAT WORKS AS A GREENHOUSE
AND SHELTER FOR INSECTS AND SMALL ANIMALS; AND A COMPLEMEN-
TARY EOLIC/KINETIC MODULE.

