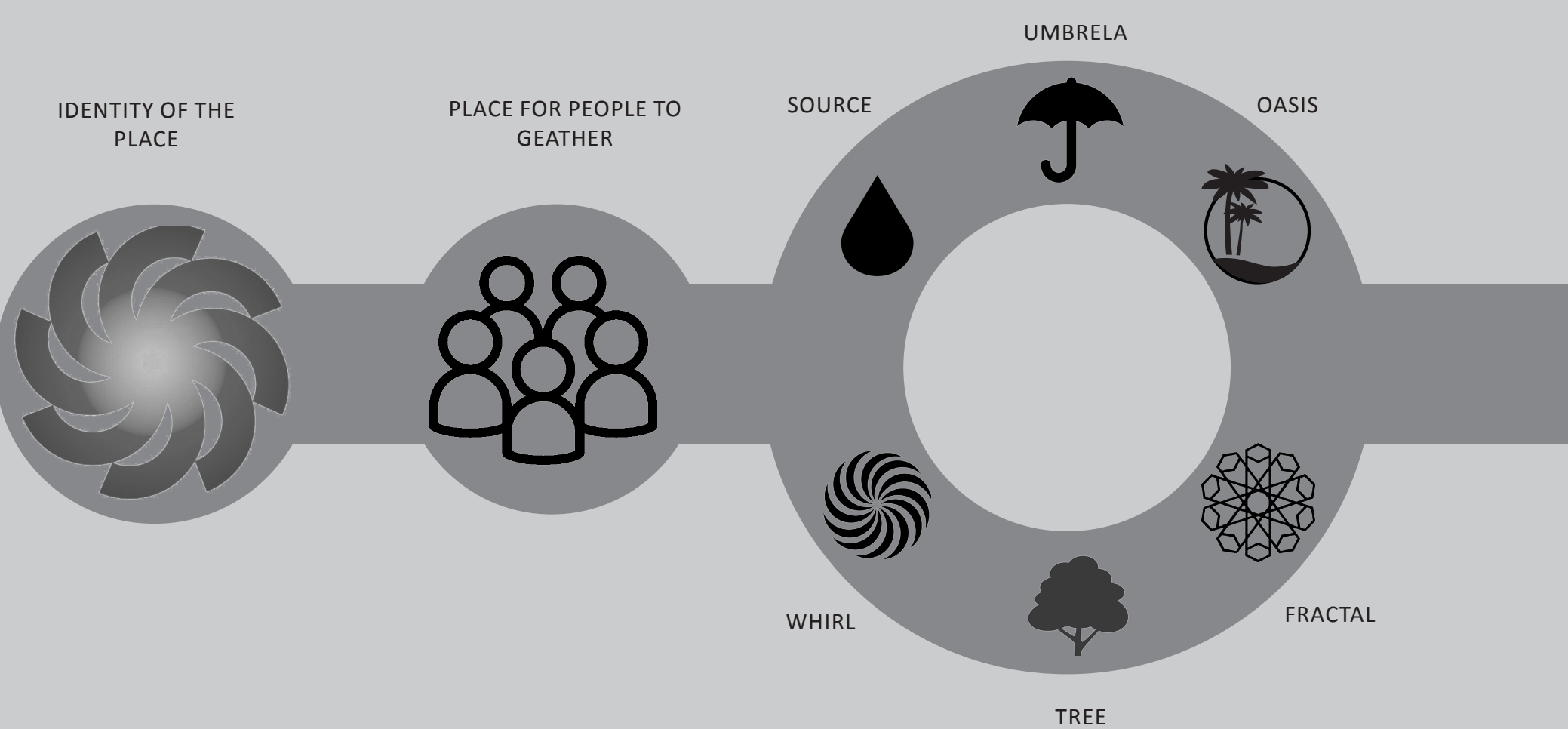


06_MAIN IDEA



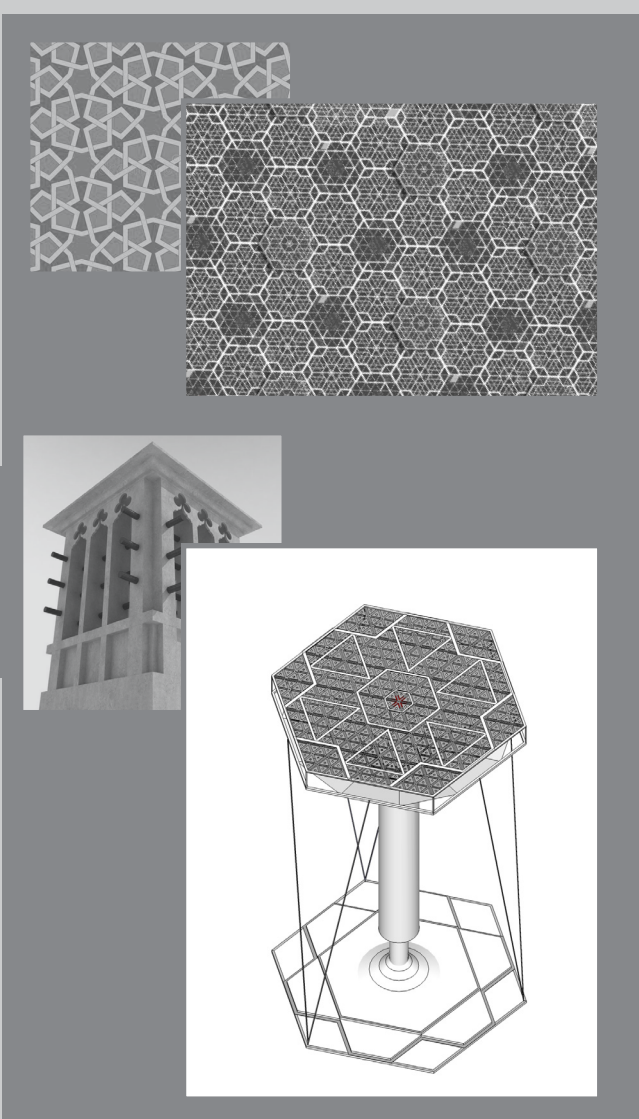
Ooriginal identity of Masdar City as a human habitat based on natural resources.

07_INSPIRATION

Based on analysis of needs it has been decided to create place for the people to let them create interaction. The significance is that this place in the harmony with the local identity and is created by using green technology.

Big Plaza, open to the public requires to create convenient environment for causal interactions. The main idea is based on the local cultural and climate context. Large site area allows to create shading for people which may be another driver for increasing public mix of social activities. Large site area allows to create shadeing for people. To make place significance its necessary to play on clear and strong symbols.

08_SHAPE OF IDEA

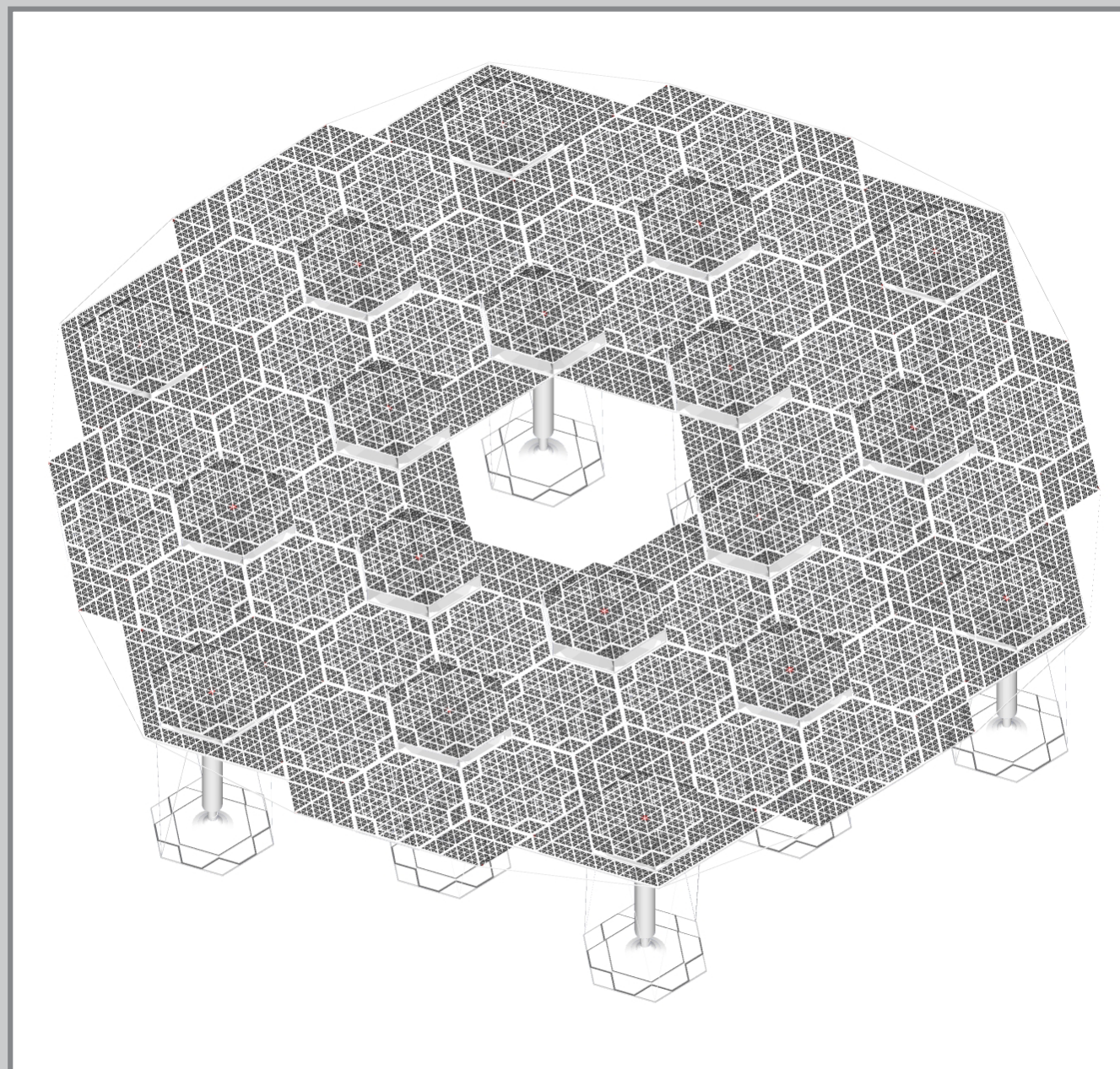


FRACTAL
PATTERN
ROOF

WIND
CATCHER
SUPPORTING
STRUCTURE

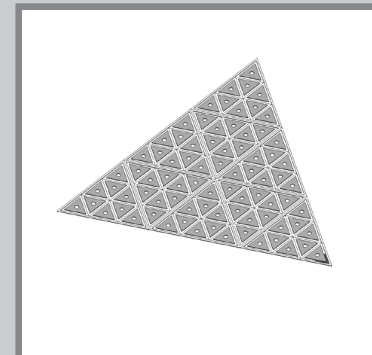
Two main components used for the concept. Fractal pattern, made by pv panels, inspired by the traditional geometrics - Arabic shapes. Columns supporting the whole structure are shaped in a way which allows wind to blow under the roof. Idea based on the traditional 'wind catcher towers' widely used as a significant element of the traditional Middle East architecture.

09_BASIC STRUCTURE

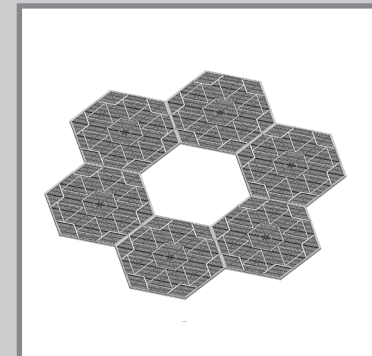


Structure pattern comes from fractal geometry. geometric shapes reflect repetitive hexagon. Rounded shape gives more open character. The height is 16 meters above the ground. The diameter is 75 meters and it's has hole in the central part. The area of the roof is 4010 sqm. The total area of the design is 9260 sqm.

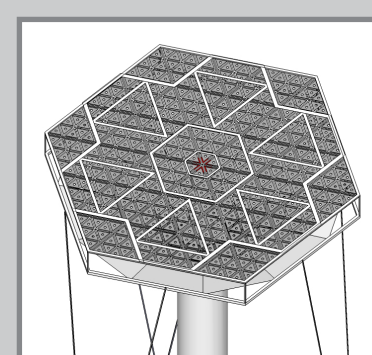
10_ELEMENT DETAILS



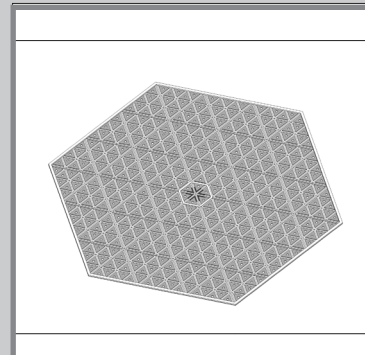
BASIC MODULE: MADE BY 81 PV
CELLS



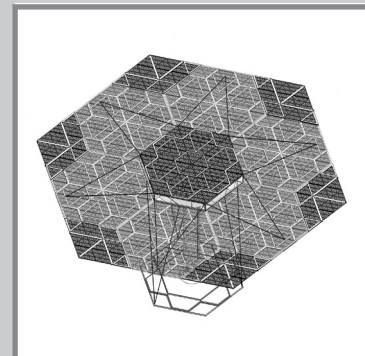
ULTRA MODULE: MADE BY 6
SUPER MODULES



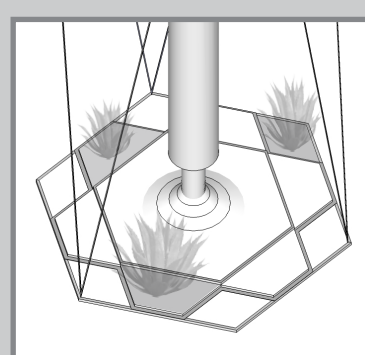
DIFUSOR: ABSORB WIND FROM
ABOWE OF THE ROOF



SUPER MODULE: MADE BY 6
BASIC MODULES



TREE: ULTRA MODULE COM-
BINED WITH WIND CATCHER



FUNDATION: FOR STABILISE
STRUCTURE AND FOR PLANTS
TO KEEP COMFORTABLE

11_MATERIALS



RECYCLED CARDBOARD FOR THE SUPPORTING
STRUCTURE



RECYCLED PLASTIC FOR THE FABRIC

URBAN OASIS is designed as a lightweight structure: roof sub structure and supporting columns. To cut the costs and make environmental impact stronger, it has been decided to use as much as possible recyclable materials. Columns are made by recyclable reinforced cardboard. Fabric used for creating vertical canals are made from polyester. This material is taken from recycled plastic. Using plastic wastes for some components of the structure help to reduce production but the most important thing is the message behind it. By having this kind of solution people can learn that by introducing local initiatives they can have global impact.