



SM1112_1

Static Motion

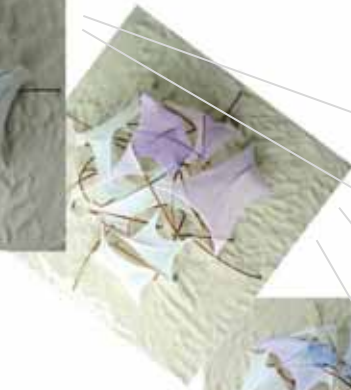
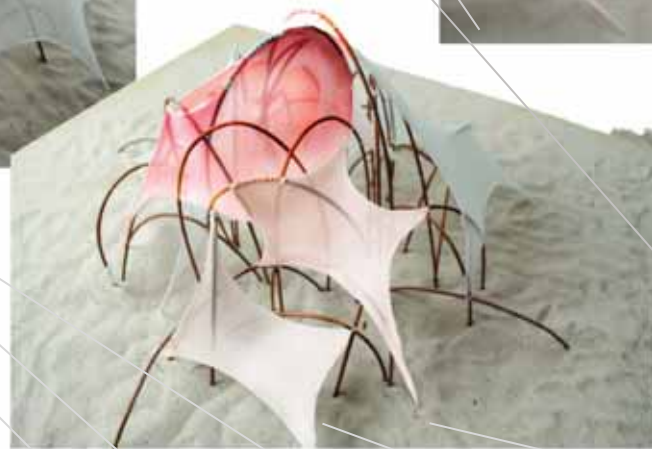
SITE CONDITION_

THE ISLAND,
CARVED BY THE MACHINE/
FLUID LINES OF THE OUTER SHELL DISPLAY THE DYNAMIC FORCE,
MOTION CONTAINS THE OBJECT/
IMPENETRABLE BOUNDARY

NATURE MAINTAINS THE PERIPHERY,
CONTAINING FROM WITHIN/
THE VASTNESS OF THE ISLAND

RESPONSE_

THE OBJECT
ENGAGING_,
CONTAINED AT REST/
INVITES THE SUBJECT
INTO MOTION



ENVIRONMENTAL INPUT

●..... LIGHT

..... SENSOR

●..... UV WAVELENGTH

..... SENSOR

●..... HEAT



SOFT PVs

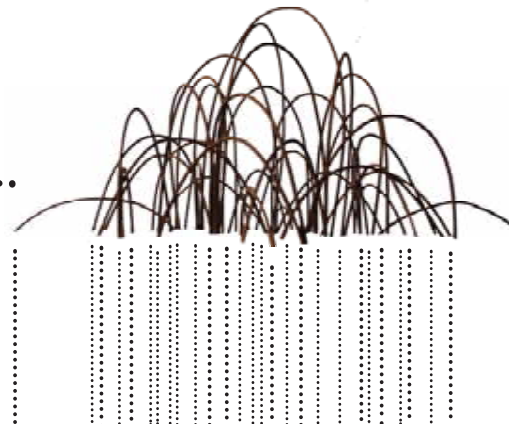
THE PATTERN USED TO LAYER SOFT PVCS ONTO THE TEXTILE WAS INSPIRED BY THE TEXTURE OF DATE FIELDS SURROUNDING THE SITE; EVIDENT FROM AERIAL VIEWS.



THERMOCHROMIC DYES

ENVIRONMENTAL RESPONSE

SMART TEXTILES ARE LAYERED OVER THE SCULPTURE AS A TEMPERATURE SENSITIVE SKIN ACCOMPLISHED BY THERMOCHROMIC DYES. AS THE AMBIENT AIR TEMPERATURE AND LIGHT INTENSITY CHANGE THROUGHOUT THE COURSE OF THE DAY, THE TEXTILE WOULD VARY IN COLOR AND EFFECTIVELY ACT AS BOTH A VISUAL THERMOMETER AND INDICATOR OF HOW MUCH SOLAR ACTIVITY IS BEING COLLECTED BY THE INSTALLATION, GIVING A VISUAL TANGIBILITY AND AESTHETIC QUALITY TO CLEAN ENERGY CONSUMPTION. RESPONSIVE TEXTILES ALLOW FOR ENVIRONMENTAL READINGS THAT WILL ENGAGE CITIZENS.W



STRUCTURE

THE UNDERLYING GEOMETRY OF THE FORM IS BASED ON TANGENTS, UTILIZING THE CULTURAL SIGNIFICANCE OF TRIANGLES IN ISLAMIC ARCHITECTURE. AN ORGANIC FORM EMERGED FROM THIS GEOMETRY BY PATTERNING CATENARY CURVES AROUND TANGENT POINTS.

ACTUATOR

ENVIRONMENTAL OUTPUT

