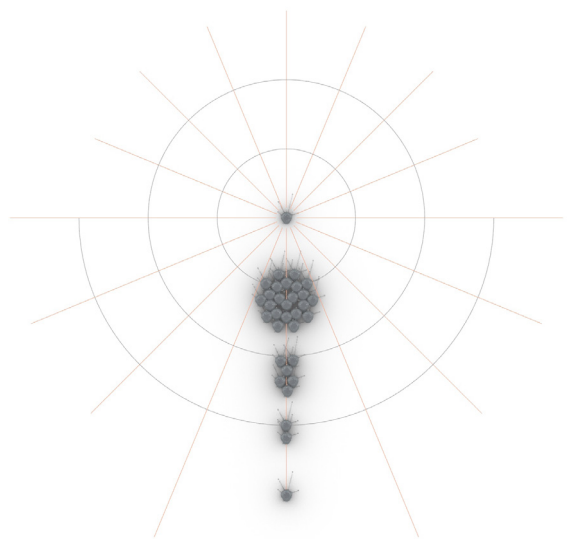


EPHEMERAL STATION

A COMMUNAL RESOURCE COLLECTOR

APPLICATION| EPHEMERAL CAMP

- Ephemeral Station in the Centre of the composition as Iconic Civic meets point.
- Radial Grow.
- Field of Diverse clusters and sizes of the unit according to the need.



MATERIALITY

The prototype is to be constructed with completely recycled materials.

- Polycarbonate
- Aluminium
- Panels 1m x 2m
- Cotton fabric
- Steel
- Affordable and recycle Materials

Working with recyclable materials will bring about a series of advantages such as the ones listed below:

LIFE EXPAND PER ITEM

- Polycarbonate exposed to the sun may be used for around 10 years
- Cotton fabric will be loaded with salts when distilling. It will be to be replaced every 2 to 3 years
- The photovoltaic panels have a written guarantee of 30 years.
- Aluminium elements and Steel Structure, will last between 20 and 30 years.



- Cost
- Early return on capital
 - Significant cash flow advantages over traditional build
 - Typically lightweight solutions offering savings to foundation and structural design
 - Cost certainty

Environment

- CO2 reduction due to fewer site deliveries
- Sustainable and can be relocated
- Less waste to landfill

COST ESTIMATE

- Balloon system to distilled water 250 Dollars / m2 x 300 =75000 Dollars. This is aluminium and polycarbonate.
- The primary steel structure 35000 dollars given a total of 100000 dollars.
- Photovoltaic system for the 300 m2: 250000 dollars between system and batteries to produce 263 kWh / day. The amount of photovoltaic could be reduced depending on the required consumption.
- Size 1 balloon will be a total of 350000 dollars

CONSTRUCTIBILITY

CONSTRUCTION:

ELEMENTS

- Primary Steel Frame Structure seating on steel plates with stake.
- A series of photovoltaic panels seating on top of the primary structure.
- Cotton fabric below the panels.
- Recycled polycarbonate balloon with an aluminium underbelly ceiling.

Speed

- Less time on site due to fast installation
- More reliable site deliveries
- Less dependency on good weather

Quality

- Improved quality due to factory controlled QC systems
- Less re-work on site - factories are typically 70%-80% efficient compared to efficiencies as low as 30% for some construction projects
- Reduced need for onsite skilled workforce

OFFSITE CONSTRUCTION

- Sequence of production
- Production of all elements off site into the factories.
- Pre-assemble.
- Transport to the part into the site
- Assemble the parts on site within minimal impact.

Safety

- Fewer overall site deliveries
- Less time spent on site and working at heights

