

WEATHER GUARD

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DISCLAIMER:

No rights are reserved. Please be advised not to apply any methods or information presented here regarding safety in emergency situations, as we are not professionally trained in handling extreme weather events. This content is a passion project. You are free to modify, distribute, and use our ideas to a justifiable extent, as long as they are intended to help and save lives during extreme weather conditions.

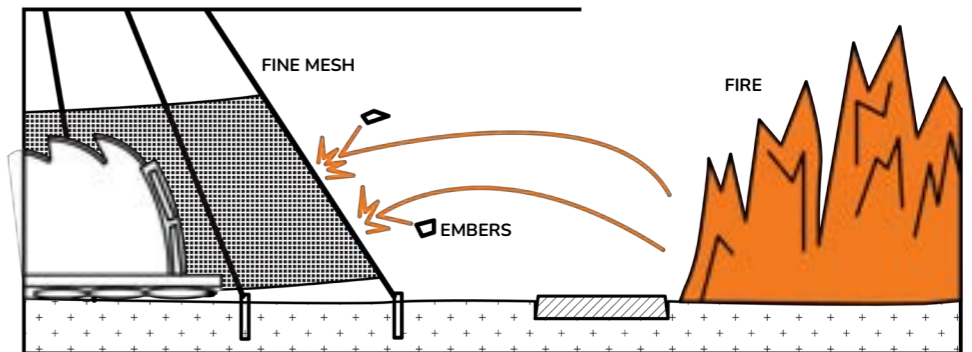


CONCEPT:

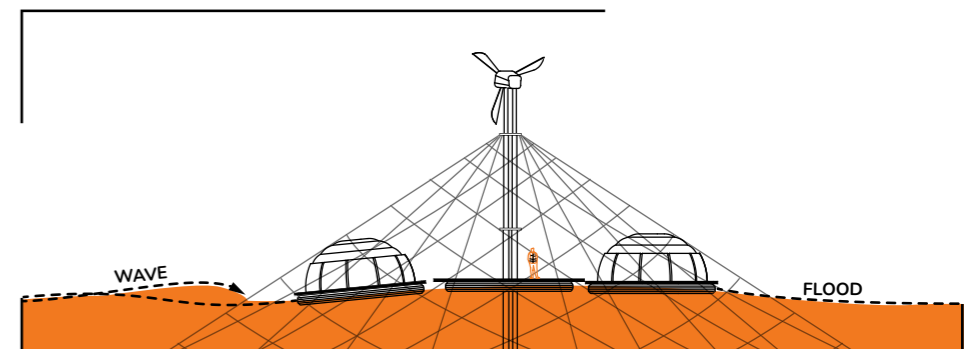
Our innovative weather pod design aims to provide a robust solution to combat extreme weather conditions including strong winds, floods, and fires. The layout of the pods is clustered around a central platform, facilitating efficient use of materials and promoting a sense of community. This central platform not only allows for easy power distribution to all pods but also encourages community interactions, fostering resilience during emergencies.

This lightweight design ensures easy transport and promotes self-installation which contributes to a sense of belonging and community. Our pods offer a safe, resilient, and community-focused solution to withstand and overcome the challenges posed by extreme weather events.

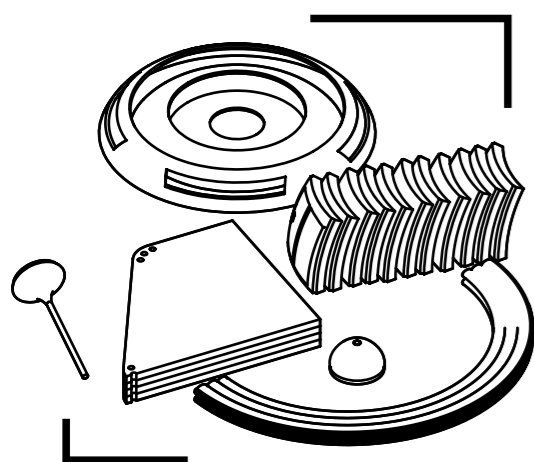
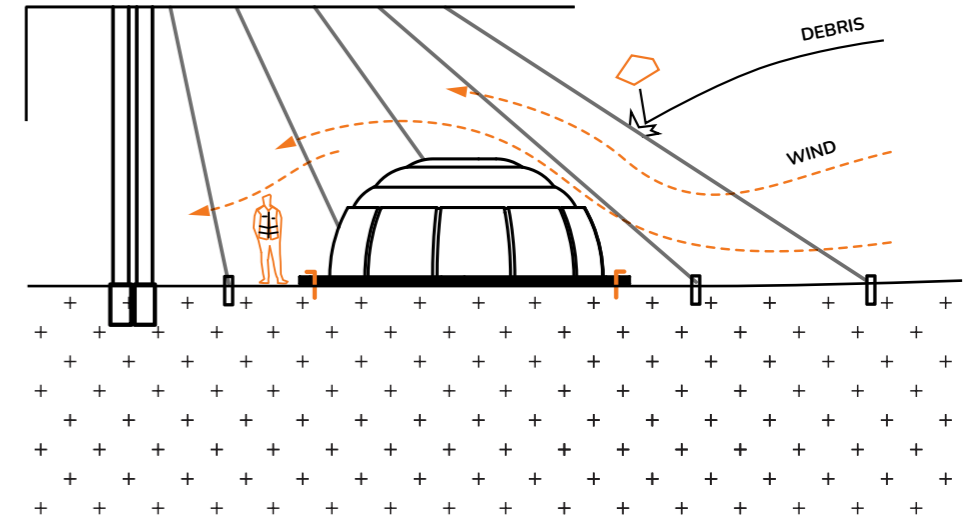
BUSHFIRE



FLOOD

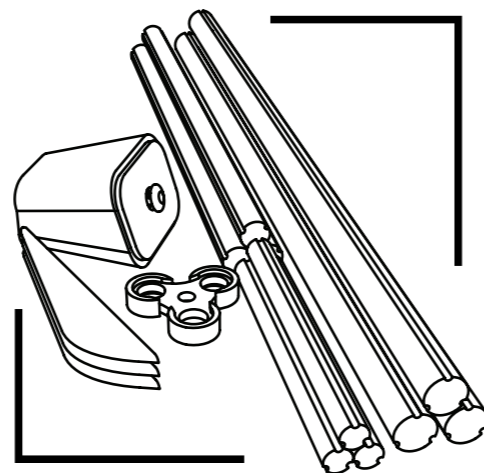


CYCLONE



POD KIT:

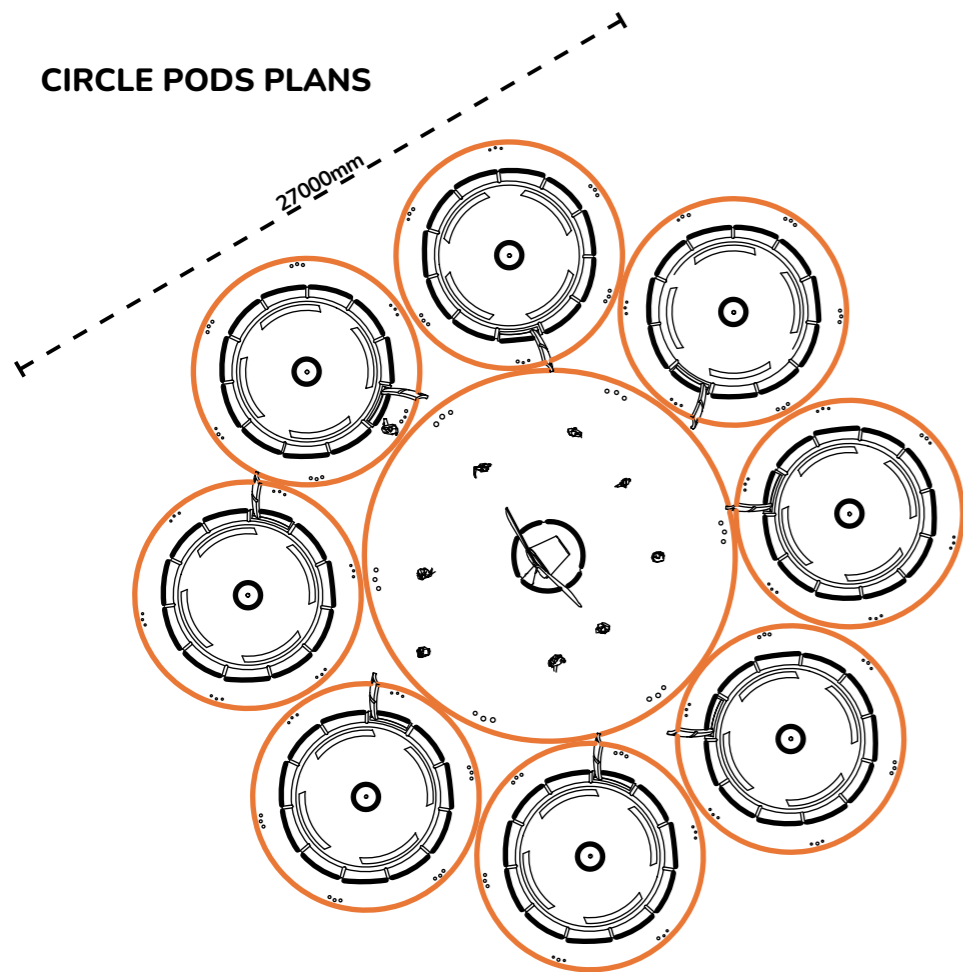
- 11x WALL PIECES
- 4x FLOOR PIECES
- 1x EXTENDING COLUMN
- 2x INFLATABLE FITMENTS
- 3x UPPER PIECES
- 1x TEMP CONTROLL UNIT



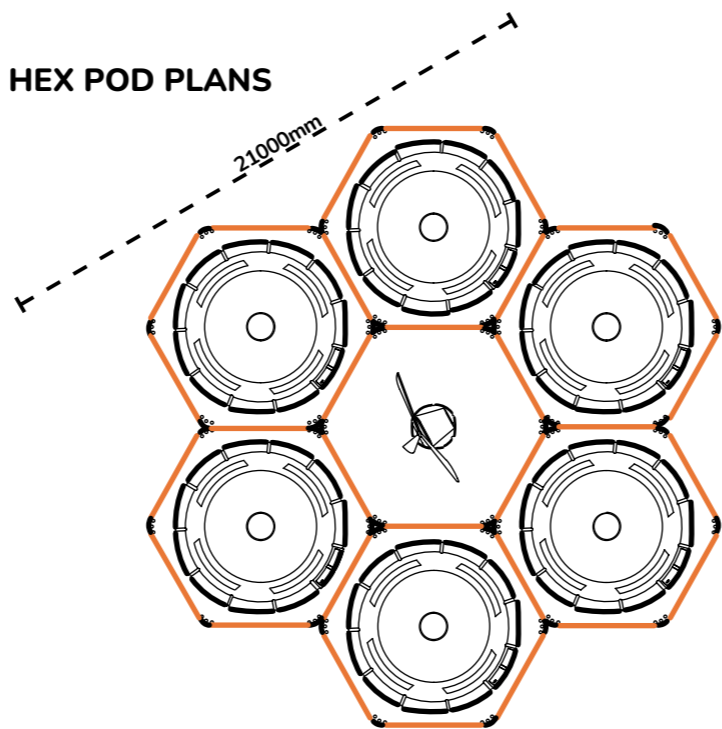
TURBINE KIT:

- 1x TURBINE HEAD GENERATOR
- 3x LONG COLUMN PIECES
- 3x MEDIUM COLUMN PIECES
- 1x CONNECTING PIECE
- 3x SHORT COLUMN PIECES
- 3x TURBINE BLADES

CIRCLE PODS PLANS



HEX POD PLANS



MODULAR TEMPERATURE CONTROL UNIT

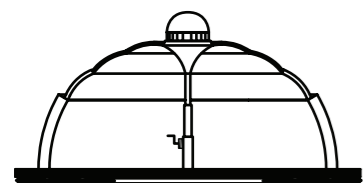
EXTENDING SUPPORT COLUMN

FOLDING FIRE-RESISTANT DOME WITH TRANSPARENT STRIPS

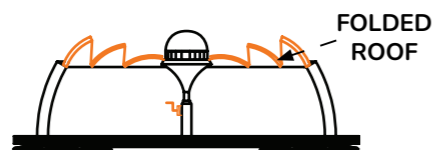
GRAPHITE POLYSTYRENE MODULAR BLOCKS

GRAPHITE POLYSTYRENE MODULAR FLOOR PIECES

ATTACHABLE INFLATABLE RUBBER BUOY RAIL

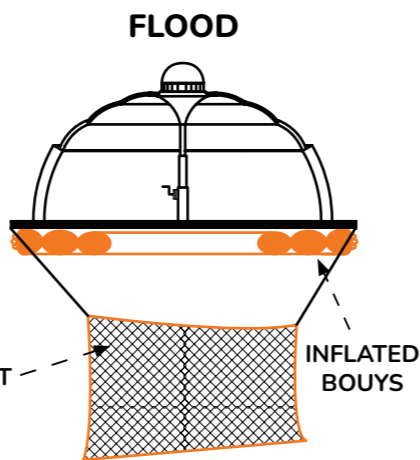


ASSEMBLED



BUSHFIRE

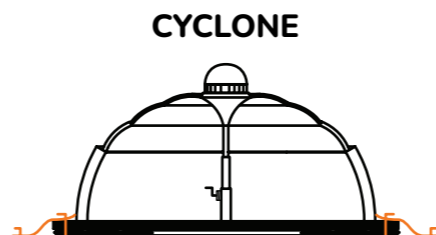
FOLDED ROOF



FLOOD

NET

INFLATED BOUYS

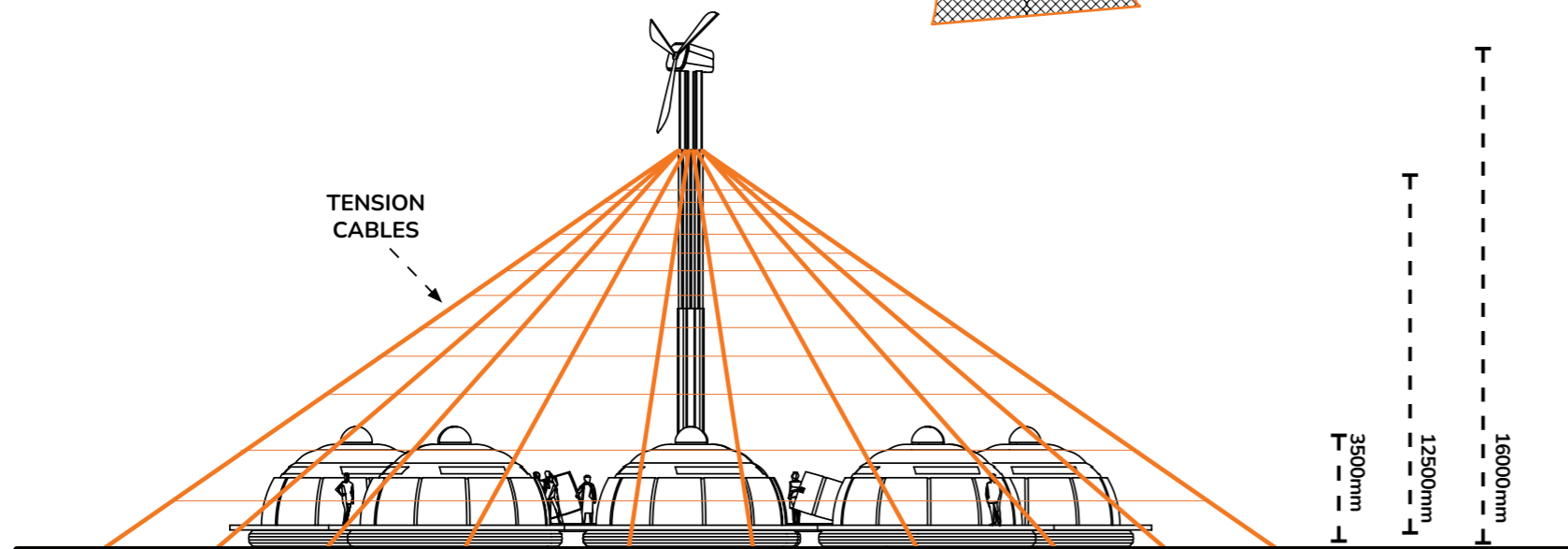


CYCLONE

ANCHORS

WIND COVER

TENSION CABLES



3500mm
12500mm
16000mm

Super Studio 2024

Jimmy Yang
Dechen Clarke
Yury Edovin

WeatherGuard for Combating Extreme Weather

Our innovative weather guard design aims to provide a robust solution to combat extreme weather conditions including strong winds, floods, and fires. The layout of the pods is clustered around a central platform, facilitating efficient use of materials and promoting a sense of community. This central platform not only allows for easy power distribution to all pods but also encourages community interactions, fostering resilience during emergencies.

Wind Control: The pods are equipped with an overarching net that stops debris and prevents pods from being blown away. The central connection of all pods creates a larger mass, reducing the likelihood of pods being picked up by strong winds. Each pod features a collapsible roof that lowers its surface area, allowing wind to pass over more easily, and is anchored for additional stability.

Flood Control: The pods are designed to be watertight, ensuring protection against heavy rain and small flooding. They are equipped with flotation rings and foam walls, which enable the pods to rise with water levels. The central connection prevents pods from drifting away, and a detachable net allows the pods to rise further in case of severe flooding while remaining interconnected. This ensures that even if one pod fails, occupants can relocate to other connected pods, enhancing safety during floods.

Fire Control: The overarching net also serves as protection against falling, flaming debris. Each pod is supplied with fire blankets that can be deployed before evacuation, providing an additional layer of protection. The walls of the pods are made from fire-resistant foam, further safeguarding against fire hazards.

This lightweight design ensures easy transport and promotes self-installation which contributes to a sense of belonging and community. Our pods offer a safe, resilient, and community-focused solution to withstand and overcome the challenges posed by extreme weather events.

Sources used for information:

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