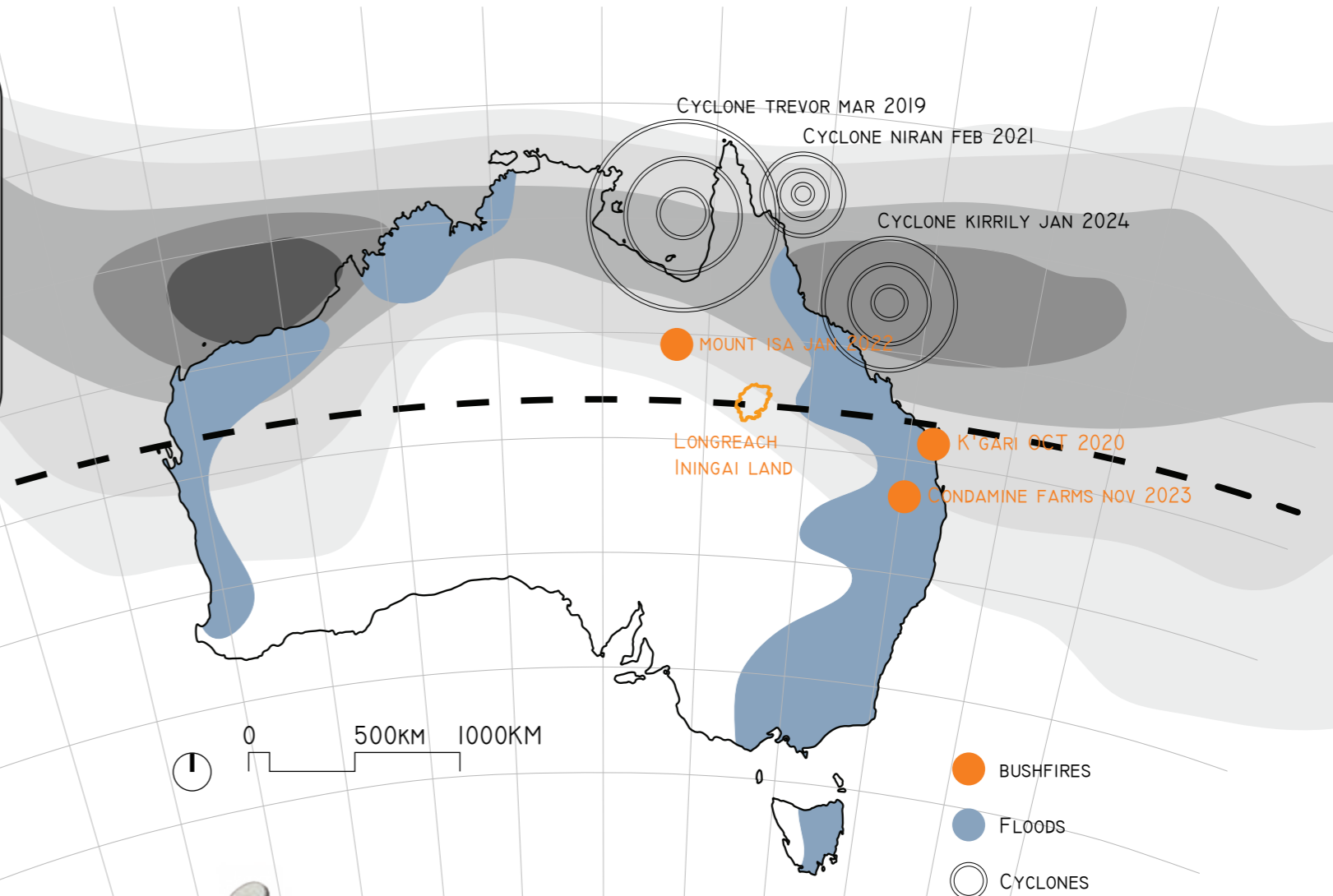


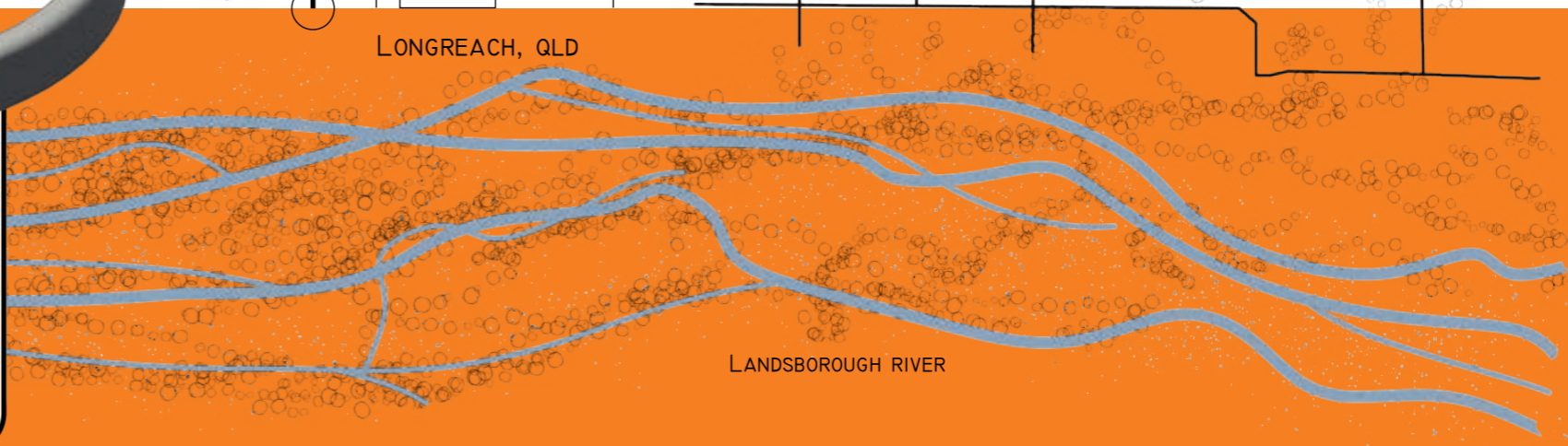
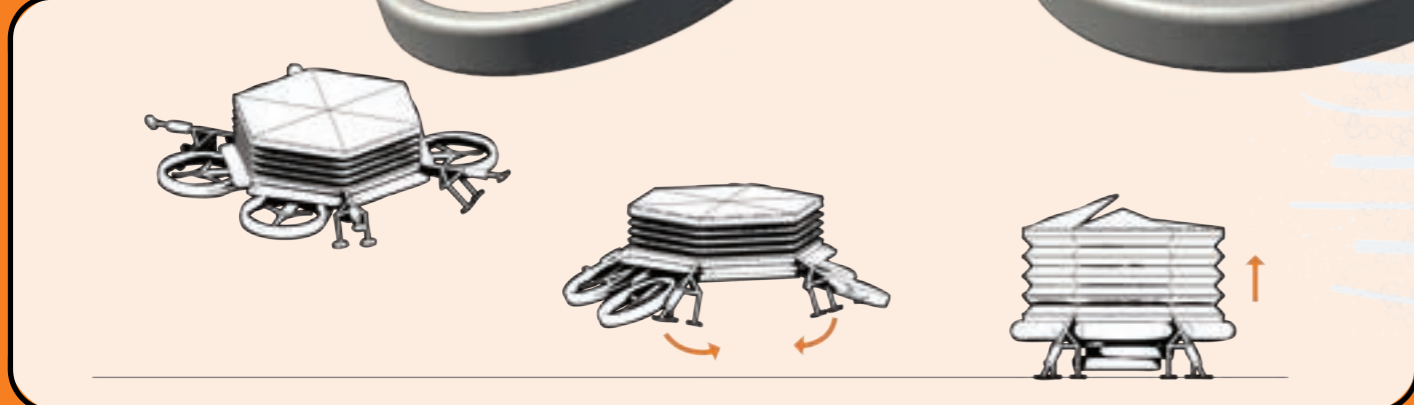
d

DISTASTER DRONE DEPLOY

D POSITS A REMEDY TO THE TRIBULATIONS OF EXTREME CLIMATIC EVENTS, EXACERBATED BY ANTHROPOGENIC CLIMATE CHANGE, THAT REJECTS THE BOUNDS OF CONVENTIONAL, STATIC ARCHITECTURE. D MATERIALISES INSTEAD AS A SWARM OF MOBILE, AIRBORNE UNITS STATIONED IN CLOSE PROXIMITY TO DISASTER-PRONE AREAS OF AUSTRALIA. D IS SPATIALISED NOT AS AN INDIVIDUAL OBJECT BUT AN ACCRETIVE MASS OF THESE UNITS, CONNECTED SYMBIOTICALLY. D OBSERVES THE NON-ARCHITECTURAL TYPOLOGY OF DRONES AND AUGMENTS IT INTO A SPATIAL SYSTEM. D IS A FLOCK OF BIRDS, A SCHOOL OF FISH, AND A HIVE OF BEES, RESTORATIVE TO THE ECOSYSTEM, WHO COME TO REMEDIATE THE DISASTER-RAVAGED LANDSCAPE.

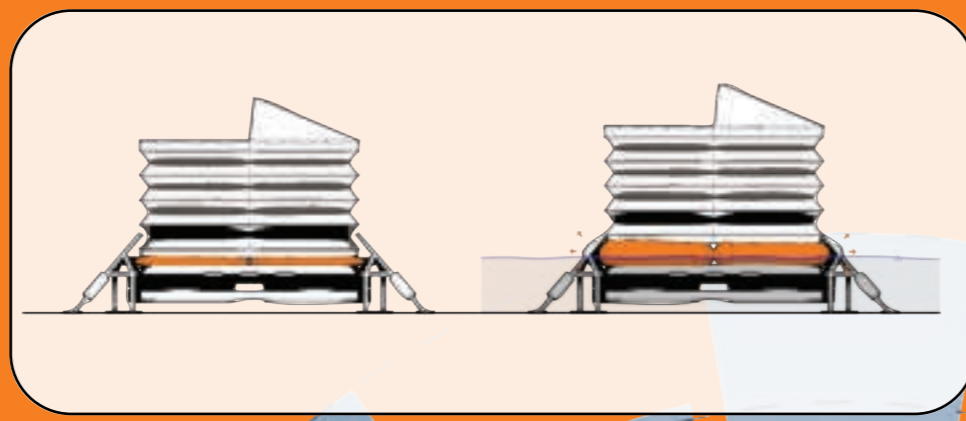


DEPLOYMENT PHASES





EXTERIOR VIEW, RETICULATED PODS AND ANTICLASTIC DELIGHT



BUOYANCY DIAGRAM, INFLATABLE BASE



KEVLAR SMOKE MESH

SINGLE POD (1 PERSON)

DUAL POD (2 PEOPLE)

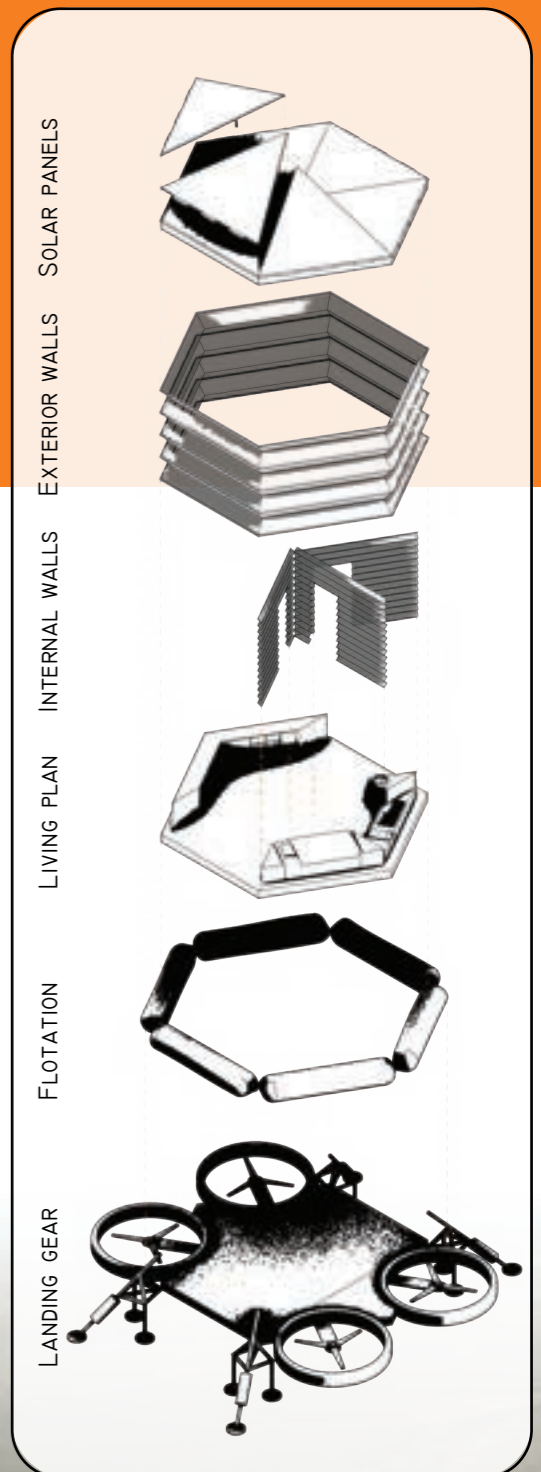
EXTENDED POD (3+ PEOPLE)



INTERNAL VIEW, VOLUMETRIC INTROSPECTIVE SPACE

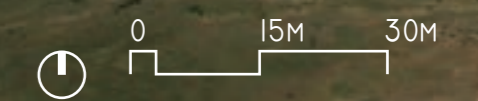


SECTION



EXPLODED AXO

PAGE, A AND MEMMOTT, P. DESIGN: BUILDING ON COUNTRY





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Design Intent and Proposal

d posits a remedy to the tribulations of extreme climatic events, exacerbated by anthropogenic climate change, that rejects the bounds of conventional, static architecture. **d** materialises instead as a swarm of mobile, airborne units stationed in close proximity to disaster-prone areas of Australia. **d** is spatialised not as an individual object but an accretive mass of these units, connected symbiotically. **d** observes the non-architectural typology of drones and augments it into a spatial system. **d** is a flock of birds, a school of fish, and a hive of bees, restorative to the ecosystem, who come to remediate the disaster-ravaged landscape.

Our proposal centres around a potential conglomeration of these drone living units deployed to the Queensland town of Longreach, a municipality surrounded by recent cyclone events and prone to bushfires and flooding alike. Longreach is on the lands of the Iningai people, and the cluster of drones that form their ensemble were initially inspired by the assortment of indigenous camps: originating from all compass points, and creating a site-specific spatial windbreak responding to predominant winds. The drones are solar-powered, and once landed expand their accordion-like external walls to provide an inhabitable volume. An inset smoke mesh resists bushfire-derived smoke and particulates, whilst an inflatable floatation layer enables buoyancy above floodwaters.

Over the course of two weeks, drones accumulate to accommodate the influx of displaced communities. The orientation of the living units gestures towards their inhabitant's origin, celebrating locality and diversity in times of adversity. Open pockets within the hive formation are sheltered by anticlastic, tensile sails that are easily dismountable - fostering introspective communal congregation.

d posits not a singularity of structure but a dynamic, pseudo-biological response both versatile and local in its remediation of climatically-devastated sites and communities. **d** is drone architecture for ENVIRONMENTAL HEALING.