

Defend and protect

Reuse
Community
Future
Creative
Immersive
Upcycling
Installation
Preservation
Disposal

Site | The Round Tower and Hotwalls studios, Old Portsmouth

The Round Tower, a Grade I listed building and Hotwalls Studios are located in Old Portsmouth, built as part of Portsmouth's line of defence. The existing materials have a lot of value, illustrating its lifecycle, longevity and symbolising the narratives of generations past. In a throwaway culture, excessive consumption is the norm and buildings are being demolished rather than preserved. Defend and protect will address this issue, preserving and separating the different layers of periods from each other, leaving a gap and emphasising the unhealed edges rather than closing the wound.

Stakeholders | Circular economy

There is a need for excessive consumerism to be addressed by commercialism itself.

- Food culture- UK households waste 6.5 million tonnes every year, 4.5 million of which is edible
- Cosmetics- More than 90% of biodiversity loss and water stress come from resource extraction
- Fashion- "Designing with high longevity, resource efficiency... and good ethics in mind"
- Textiles- EU consumers discard about 11 kg of textiles per person per year

Citizen led initiative | 'Take, make, use, reclaim, reuse'

The creative use of installations can be changed and disassembled, allowing people to engage in a cyclical, ever-changing process circular process through multiple uses of the site, to meet the needs of the user. The process of 'take, make, use, reclaim, reuse' will be put in motion through the collaborative workshop with the stakeholders. Found textiles and materials can be brought to site to be upcycled in a creative way and installed on site. Any textiles brought to site, when disassembled can be supplied to Beyond Retro to further their production process or can be reused again.

Matters of care | Quick disposal of objects and buildings



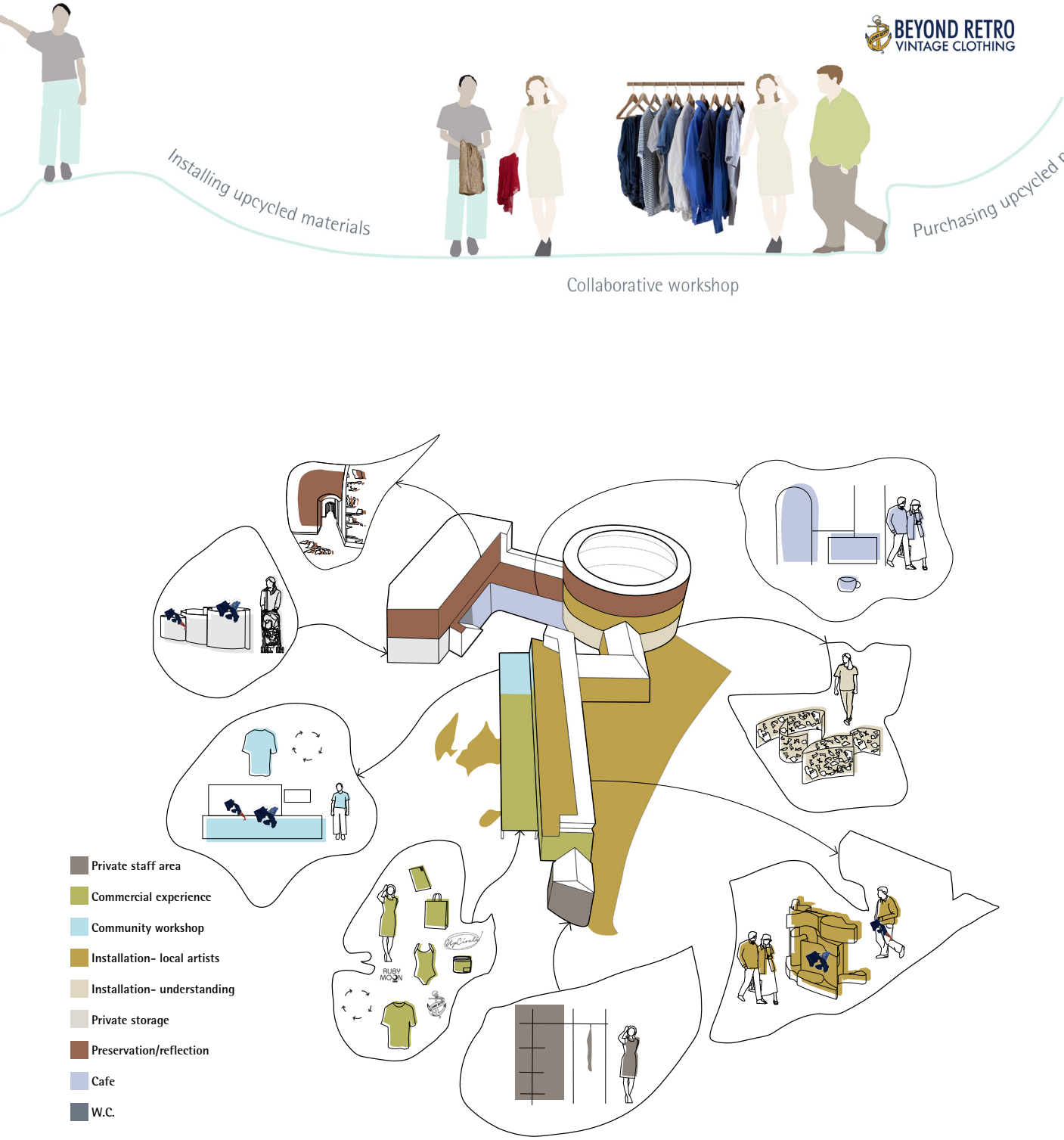
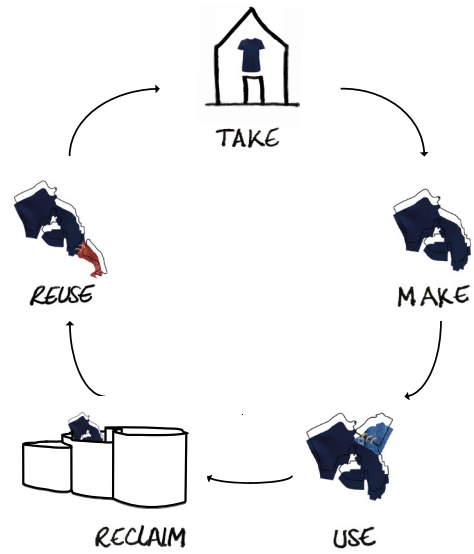
UK	World
200m tonnes of waste a year	2.1b tonnes of waste a year
600m tonnes of products a year	70% increase by 2050 without action

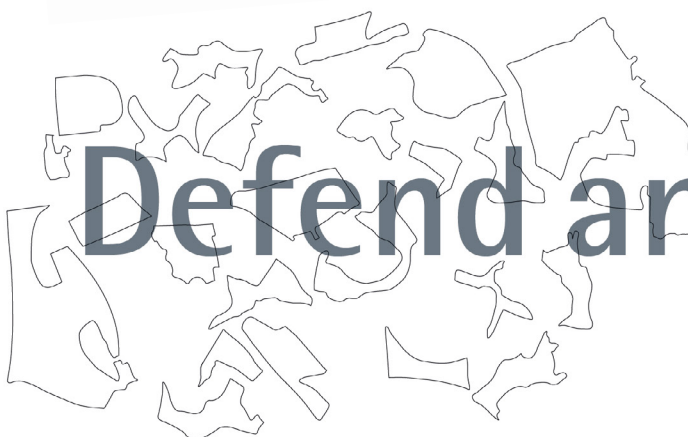
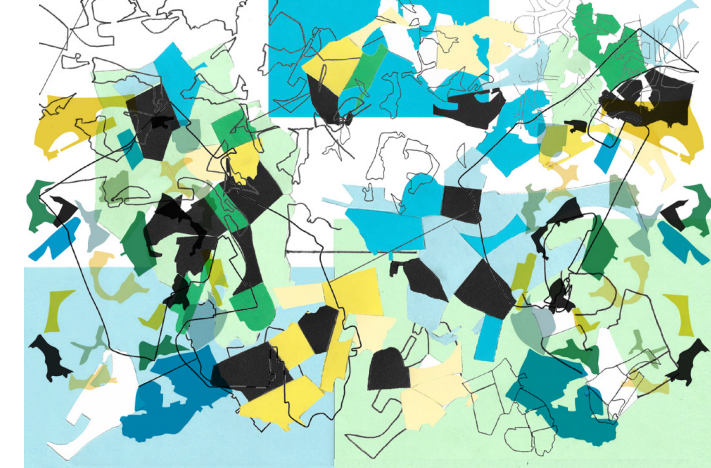
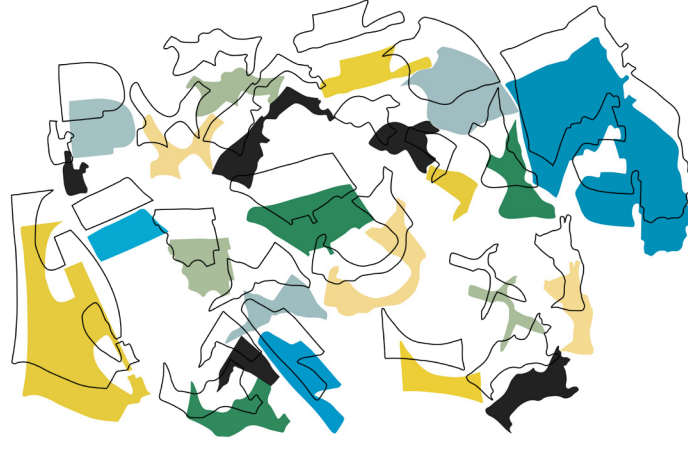
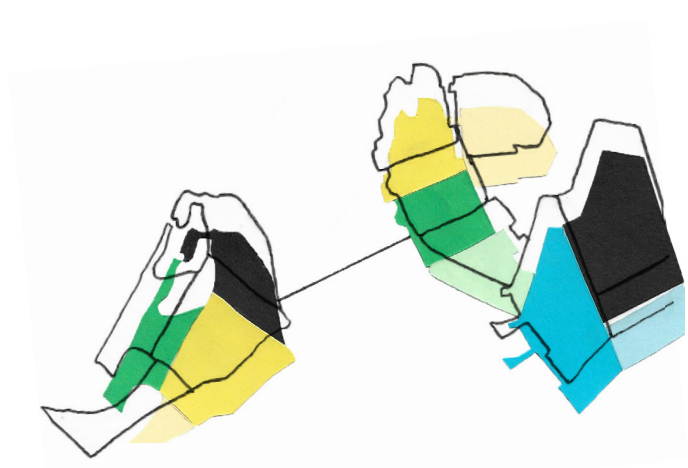
Client | Circular economy

'Cradle to Cradle' highlights that in the current linear system, materials end up in a grave, resulting in; loss of resources, cultural depletion, reduction of quality of life and intergenerational remote tyranny. In a circular system, the life value of products is extended and waste is designed out. Defend and protect is a collaborative project with client the Ellen MacArthur Foundation to promote and activate this concept.

"How can our economy really run in the long term when it's dependent on taking a material out of the ground, making something out of it, and ultimately throwing it away."

Ellen MacArthur





Defend and protect

Forms
Transparency
Shadow
Traces
Reflection
Connections
Fragments

Fort Blockhouse | Gosport

Peter Zumthor | Kolumba museum

Barkow Leibinger | Wood Summer House

Andreas Eriksson | "Tracing time"

Richard Serra | Cycle and Junction

Final composition

Built in 1420-1422, an iron chain connected the two towers and could be raised to prevent enemy ships entering the harbour. A process of fragmenting, layering and disassembling outlined traces of the two sites, pieced together, forming one entity, inspired the forms.

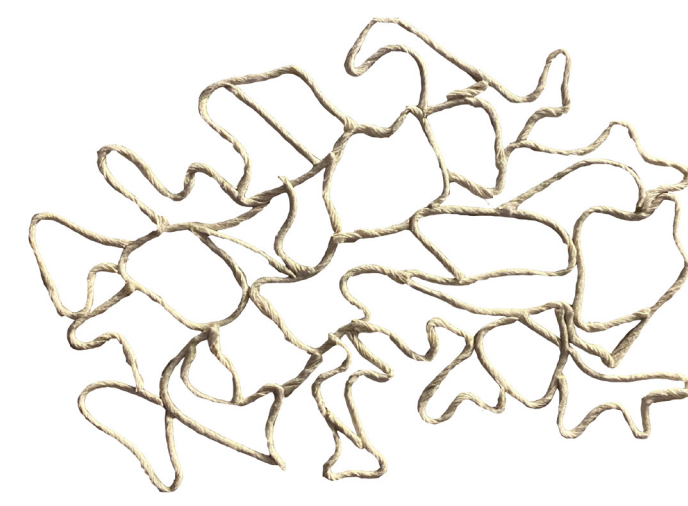
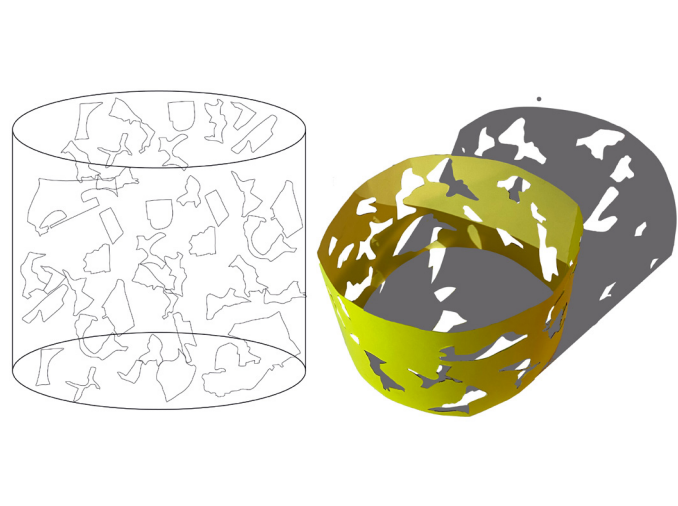
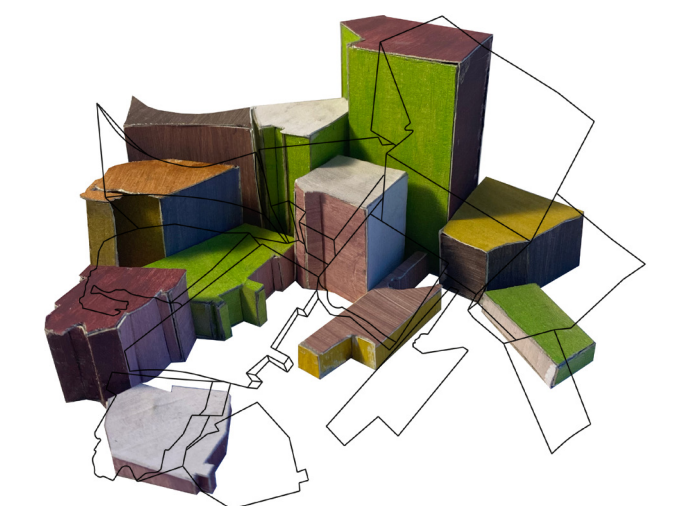
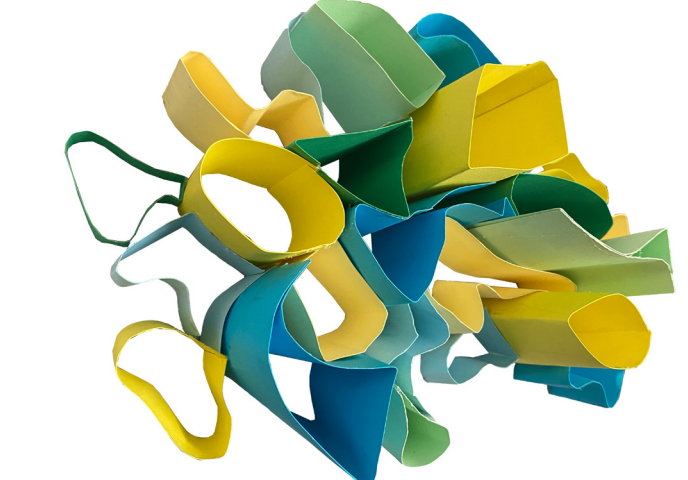
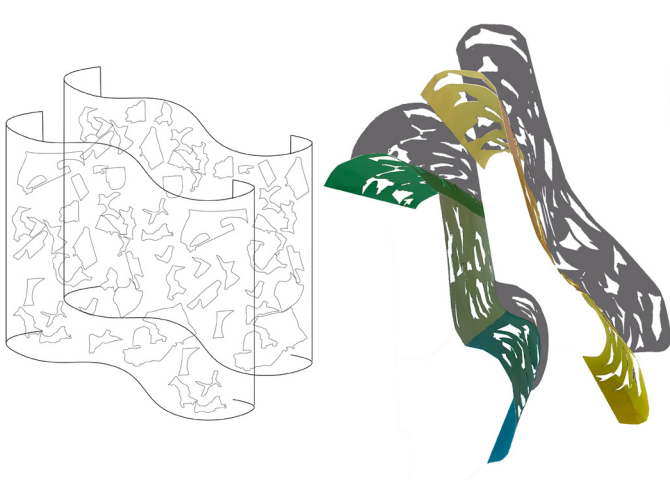
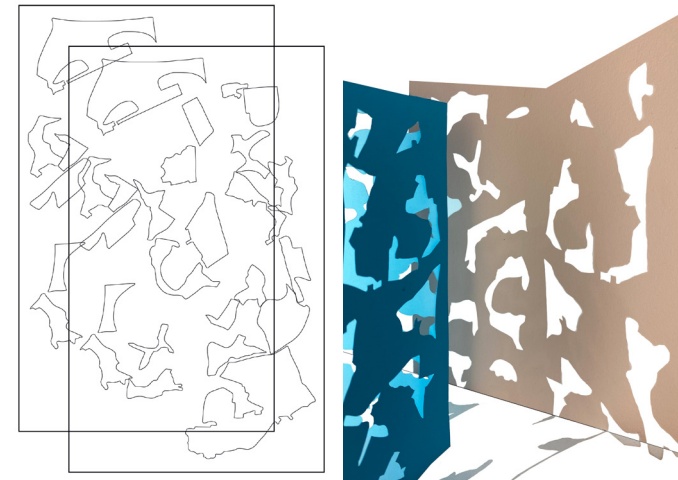
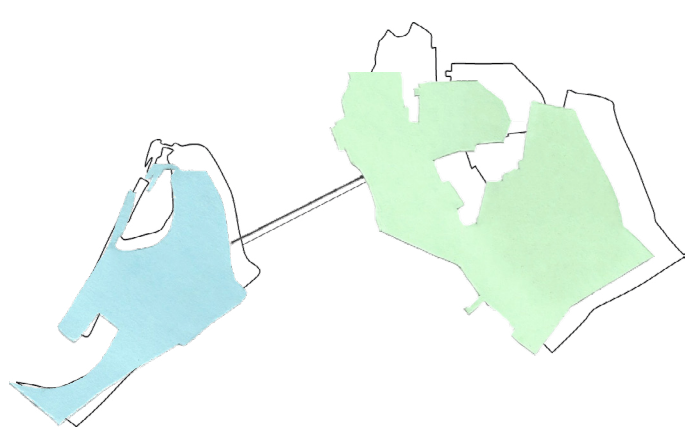
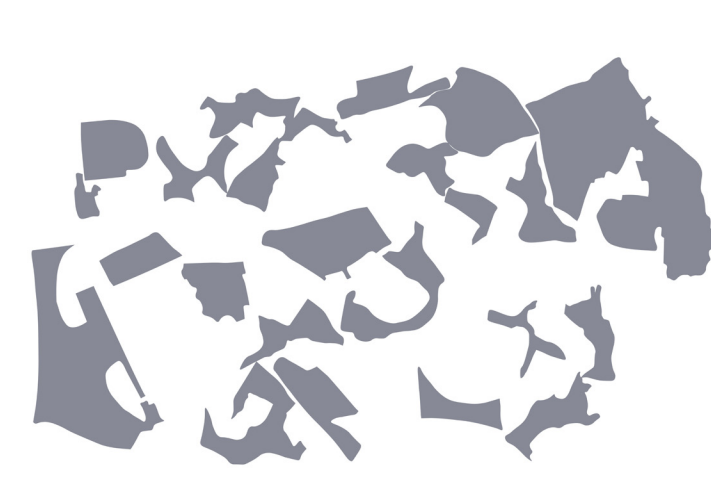
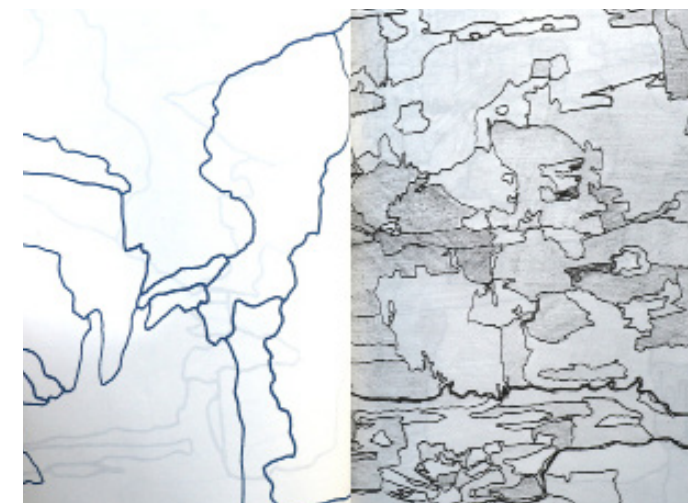
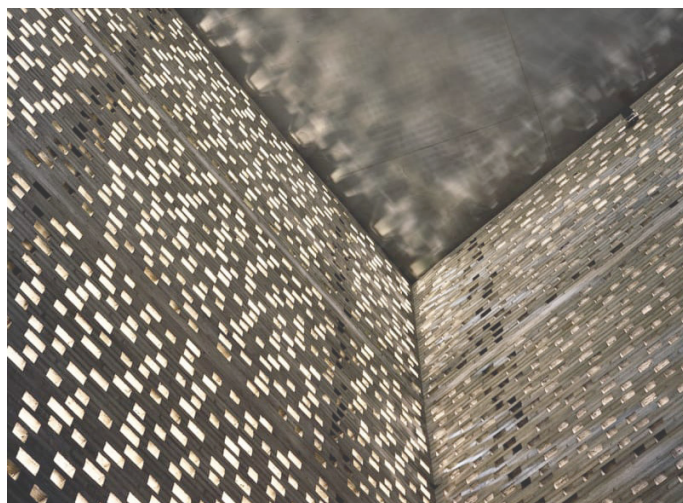
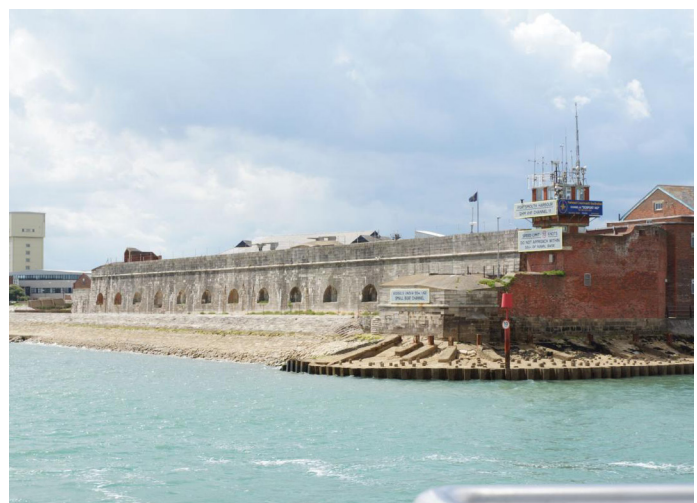
To lighten the impact of the blocky form, Zumthor designed perforations on the facade, creating a play of warm diffused light. Zumthor uses visible gaps in materials to emphasise the contrast between new and existing.

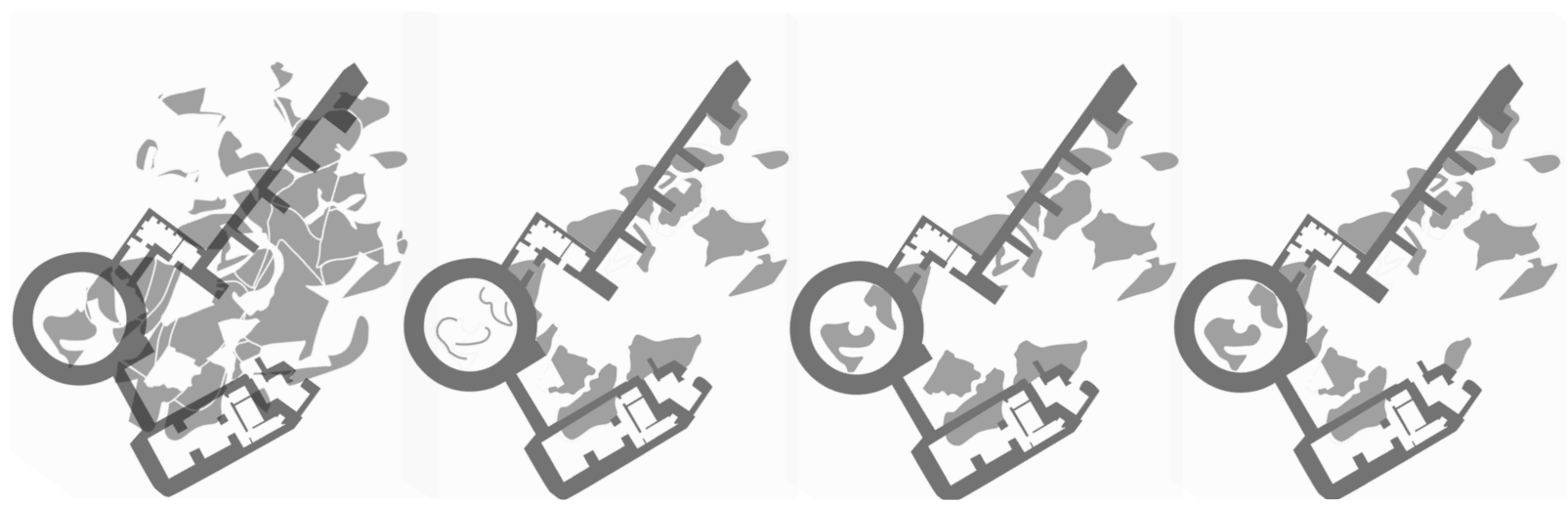
Reminiscent of a contour drawing designed with undulating loops of bench wood, the flowing curves of this pavilion create an interesting and engaging installation that establishes a relationship with the natural environment.

Process of weaving, creating outline sketches embracing dualities- of both inner and outer structures. "Existential landscapes", his works are patchwork topographies exploring abstract connections creating organic forms which flow, merge and collide with each other.

Weatherproof steel sculptural installation marked with stains and shadows. The movement between the forms becomes an experience- "every step reveals a new grand gesture of color and shape, and a numinous presence seems to hover behind you as you move".

New traces were revealed through the process of layering and disassembling, establishing new traces and the voids between them for future traces. Defend and protect seeks to respectfully bring old, new and future narratives to life through user interaction with the site.

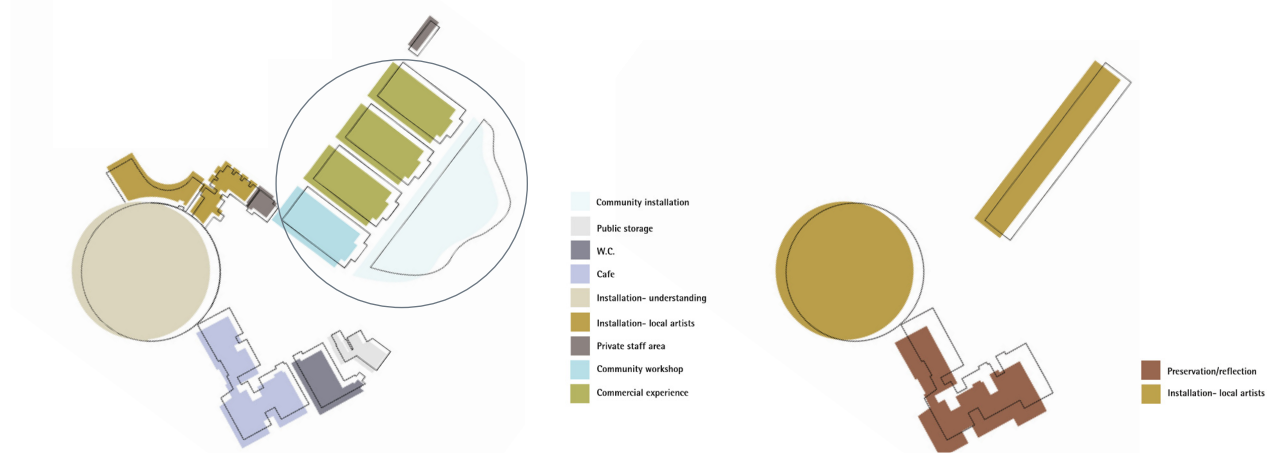




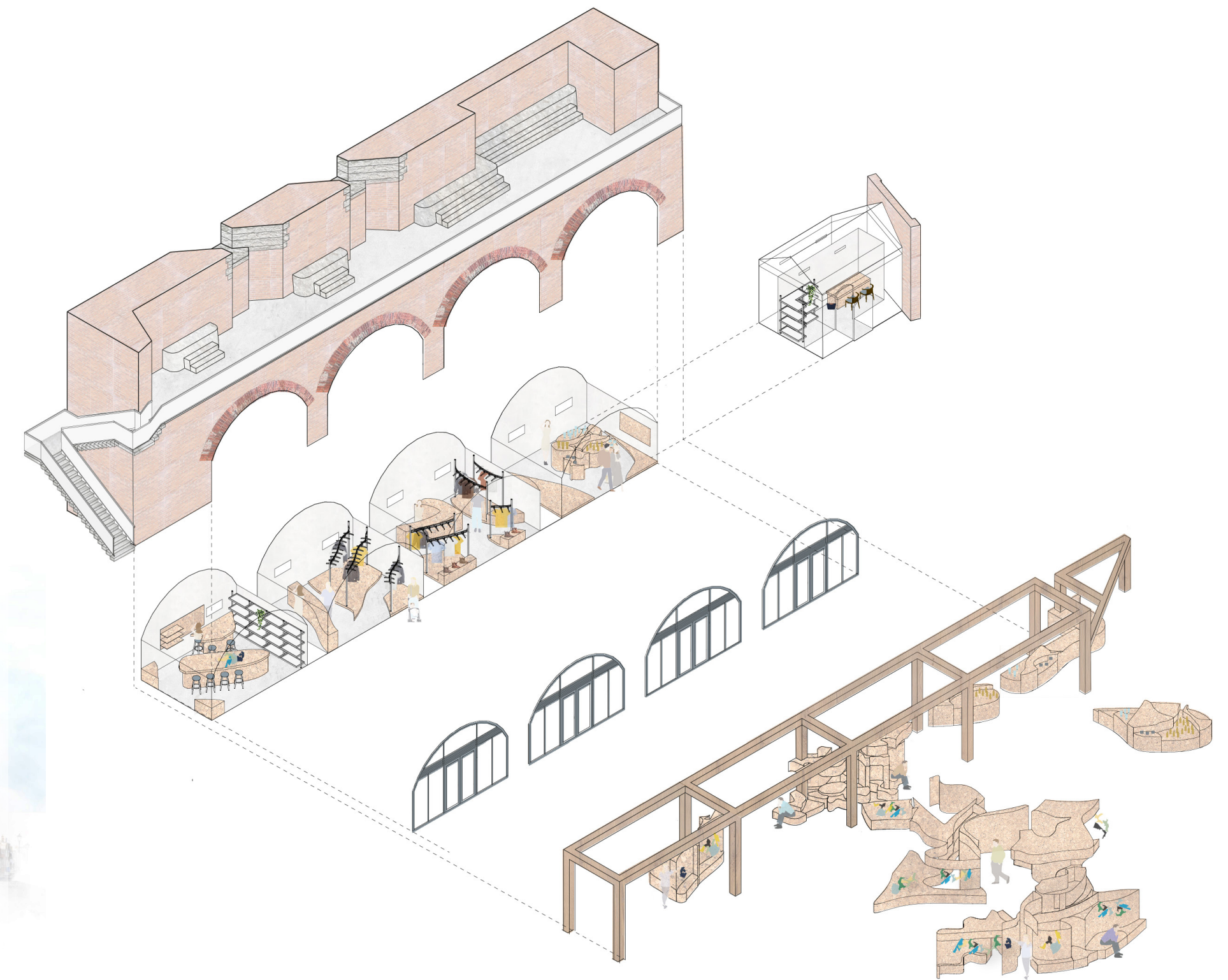
Defend and protect

The site's purpose built narrative to defend and protect Portsmouth has driven this design's forms and concepts. As a citizen led initiative, collaborating with the Ellen McArthur foundation, a local circular economy is established on site, addressing issues of excessive consumption and quick disposal in Contemporary society. Based on the principles of 'take, make, use, reclaim, reuse', materials brought to site will be up-cycled and existing materials will be preserved for their value. A series of creative, engaging installations to be changed and disassembled, evolving with human interaction will establish connections of traces of previous and future inhabitants, shaping the future of the place- physically, culturally, socially and economically.





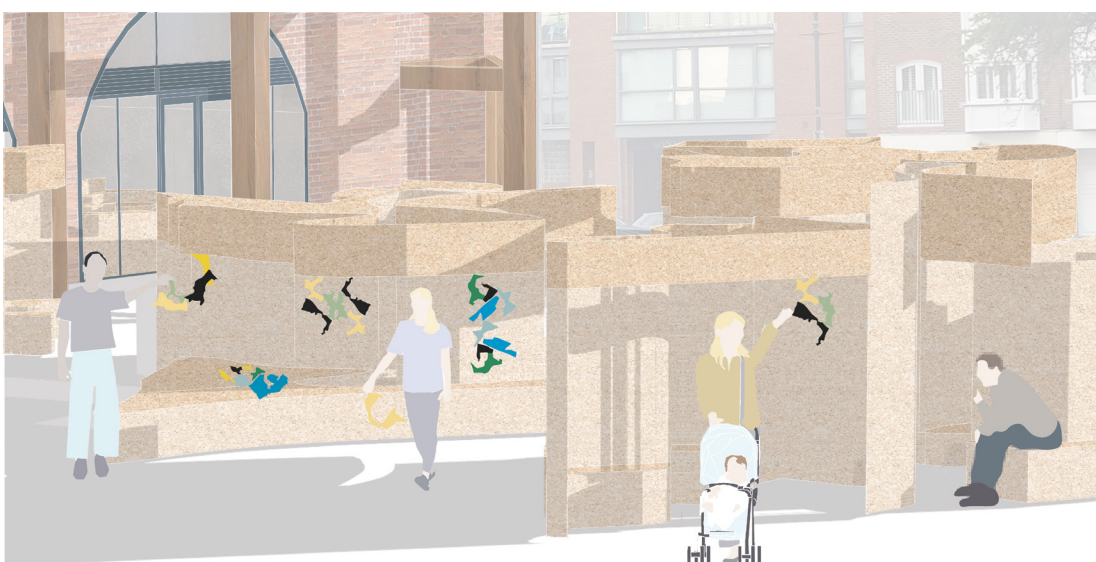
Defend and protect



Take



Make



Use

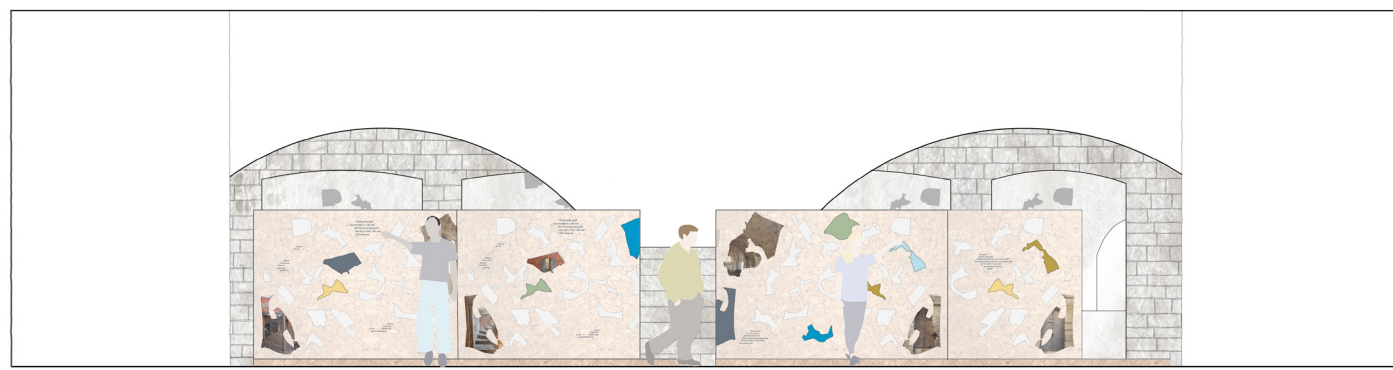


Reclaim



Reuse

Installations will be used on site as a means of illustrating and activating a circular economy. Sensitive arrangement and installation of the upcycled material will create a dialogue with the existing, applying the concepts of reuse and illustrating a contrast between new and existing as an immersive display. The materials will be removed and the space will revert to its previous incarnation before being reused again, establishing a constant and cyclical process, constantly evolving and in motion, bringing value to its unfinished state, continuing to live and change. User interaction is essential, bringing the material to life and illustrating the attitudes of the local community. The creative reuse and up-cycled use of cork by the visitors of the site brings it into something of greater quality over and over again.



Defend and protect

With curved forms, establishing movement and appearing to be in flux, changing with every angle, the mass of the surrounding matter and the drama between existing and new is heightened. Embracing dualities of the permanence of the stone vs the temporariness of the cork boards whilst creating visible gaps between existing and new material illustrates preservation principles and the value of the existing. The corks perforated quality and physical cuts allows users to place within them elements of their own understanding, providing an engaging backdrop for creativity, retaining a sense of their previous existence whilst providing an opportunity for the next. The gaps introduce shadows into the space, allowing the forms to touch the existing stone lightly and non-physically adding reflective, light qualities.

