





Studio Organic is a lab, research facility, design and innovation hub for biodegradable building materials. Transitioning into a bio-circular economy is at the forefront of our work, with the aim of regenerating the planet through design, not further destroying it.

Our facilities offer spaces for contemporary designers and contractors to learn about, and trial sustainable methods of construction and design. Redirecting sustainable architecture, away from being unattainable and unrealistic, and towards standard practice. We work closely with unorthodox practitioners and bio-based design labs to exhibit alternative greener materials in-situ and in other practical settings.



A circular bio-economy explores using renewable natural resources to reconstruct and manage our industrial and societal systems, with the goal of achieving sustainable well being and harmony with nature. "CHALLENGES SUCH AS CLIMATE CHANGE, LAND SUBSIDENCE, CO2 EMISSIONS AND THE SCARCITY OF FOSSIL FUELS REQUIRE NEW, SUSTAINABLE SOLUTIONS. THE CALL FOR A MORE BIO-BASED AND CIRCULAR SOCIETY AND ECONOMY IS BECOMING EVER GREATER AND INCREASINGLY NECESSARY."







Bio-based materials offer a responsible solution to managing and reducing the consumption of raw building materials. Utilising natural bi-products and upcycled waste materials can reduce the environmental impact of the construction industry, while exploring refreshing new technology and encouraging a new era of design.



As more and more industries begin to redirect their attention towards sustainable practices, newfound materials and technology is emerging. Studio organic experiments with bio-based products like hempcrete (on left) and mycelium (on right) to test their potential as building materials.









FIRST FLOOR PLAN

The first floor is intended for public engagement. A rooftop cafe and garden area allows occupants to test and experience the bio-materials first hand.

A bio-material exhibition is situated inside the building, allowing occupants to understand how the bio-materials are made and how they can be practically implemented into their own properties. Furthermore, this is exhibited by the realised furniture within this space that is made from the bio-based materials made on site.



ROOF PLAN



industry is glooming ..





Newhaven is a heavily industrial town, with a significant focus on the construction sector. Environmentally harmful materials like concrete and cement are the most commonly building materials. Newhaven's current reliance on these materials is unsustainable for the future development of the town. As material demand only increases, finding ecologically-friendly alternatives is a priority.



Studio organic aims to help Newhaven transition away n polluting and do construction practice, and towards more sustainable practices. This will be done by educating the town's residents and developers in alternative, less-harmful construction methods. If performed well, Circular (or closed-loop) methods could massively decrease Newhaven's carbon footprint, especially if they explore the potential behind biodegradable and bio-based materials.



Used for insulatio and wall finishing:

UPCYCLED WOOD

Taken from public upcycle and used through out the site for furntuire & finsihings.

UPCYCLED BOARD

Taken from public upcycle and used through out the sute for storage & plant pots.

Used for wall finishings and exhibition boards.

SEAWOOD

Fo pu lati be

BURNT WOOD

Used for floor finishings. Also captures co2, reducing the over all carbon footprint of the building.



EXISITING CONCRETE

existing structure. Left exposed in parts for decorative purposes.

MYCELIUM ACOUSTIC

Used to improve the acoustic range of a space. Made on site from leftover bricks.

MYCELIUM BRICKS

Used through out the site to make bench seating and tables.

bio-based materials found on site...

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er from g structure. Left