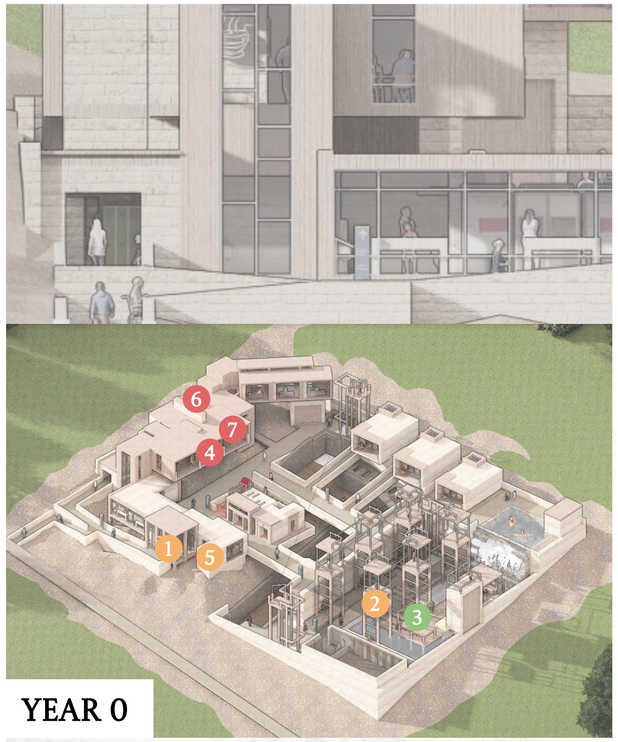
BOUNDLESS GREEN

From Foundations to Net Zero in 10 Years

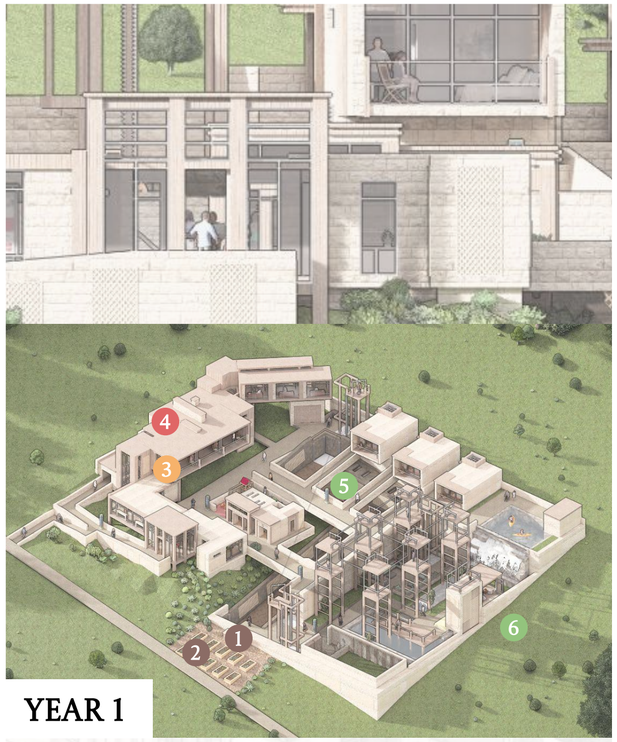
Unboundary | *England, Peak District* | *Visitor Centre + Accessible Resort* | *ataraxi*



YEAR 0

Build baseline, minimise embodied carbon, ensure accessibility.

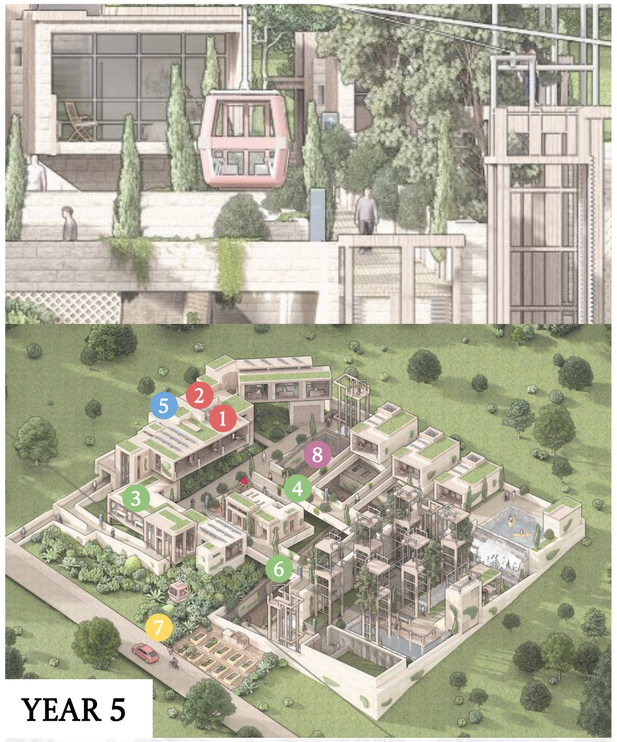
1 - Building constructed with low carbon materials from site
2 - Adventure course stilted platforms made from site materials
3 - Adventure course trees planted
4 - High performance glazing
5 - Bio-based wood fibre insulation
6 - Ground source heat pump
7 - Natural ventilation systems



YEAR 1

Engage community, introduce low-tech, circular practices.

1 - On-site composting
2 - Community planting and vegetable gardens
3 - On-site material reuse for lattice structure
4 - Smart meters for monitoring
energy + water use
5 - Burrows in bike tunnel for biodiversity growth
6 - Restore site area trees and grass



YEAR 5

Scale up renewable energy, biodiversity, and connectivity.

1 - Solar panels (electricity + hot water)
2 - Excess electricity storage
3 - Green roofs + walls planted
4 - Plant trees along walkways
5 - Rainwater collection + recycling
6 - Spread of climbing greenery
7 - Sustainable connectivity (pedestrian, cycle, car, lift)
8 - Electricity generating exercise machines



YEAR 10

Full ecological integration, net zero carbon, immersive resort.

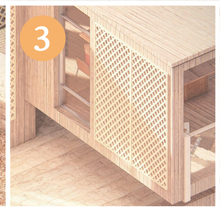
1 - Adventure course trees grown and replace stilted platforms (hidden for visibility)
2 - Urban drainage with bioswales + stream network
3 - Water bodies adapted to artificial pond safe for users
4 - Permeable paving across site
5 - Green walls fully grown
6 - Maximum vines and climbers
7 - Green roof bird houses
8 - Insect hotels







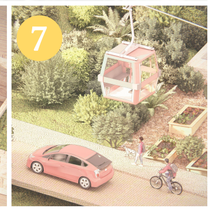












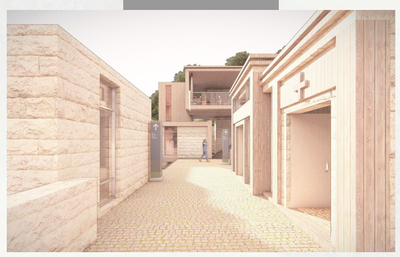






Key | Net Zero Operational Energy | Net Zero Whole Life Carbon | Sustainable Water Cycle | Sustainable Land Use & Ecology | Good Health & Wellbeing | Connectivity & Transport | Social Value

START



Sustainable Outcomes Statement

Unboundary is a visitor centre and retreat in the Peak District designed to transform access to nature for all, particularly people with disabilities. Inspired by the Kinder Scout Mass Trespass of 1932, the project removes physical and social barriers to the landscape while aligning with the RIBA Sustainable Outcomes Framework and the UN Sustainable Development Goals. Stage 7, building in use, is treated as an evolving responsibility.

The project is guided by long-term outcomes delivered through a ten-year sustainability strategy. Its ambition is to achieve net zero whole life carbon, enhance biodiversity, and deliver measurable social value and wellbeing. These goals are realised through phased interventions that progressively improve energy performance, water management, ecology, and accessibility.

Net zero operational energy is supported through reduced demand and on-site solar generation, while whole life carbon is minimised using local low-carbon materials and natural sequestration. A sustainable water cycle is delivered through green roofs, permeable paving, bioswales, and rainwater storage, reducing runoff and supporting biodiversity. Inclusive, biophilic spaces enable immersive nature experiences for users who would otherwise be excluded.

Performance improvements are evidenced using the TEEB tool. Annual statistics include green roofs and walls reducing gas consumption by approximately 70 m^3, water interventions retaining 240,000 litres of rainwater, and tree planting sequesters roughly 1,200 kg of CO_2.

By Year 10, Unboundary becomes a regenerative landscape that gives back to its environment.

END

