

15% of Greenwich is green/ open space

Greenwich benefit generous amount of

ITE ANALYSIS

**AXONOMETRIC** 

SECTION

Greenwich benefits from a generous amount of green space, and we aim to echo this landscape character in our design.

The rest of the population 20.5% of residents are between 20-39

Timber rafting brought essential materials for shipbuilding and construction, supporting the city's expansion during the Industrial Revolution.

VICTORIAN PUMPING

STATION
As pollution worsened, the Crossness Pumping Station (1865), part of Bazalgette's sewer system, was built to clean the river and improve public health.

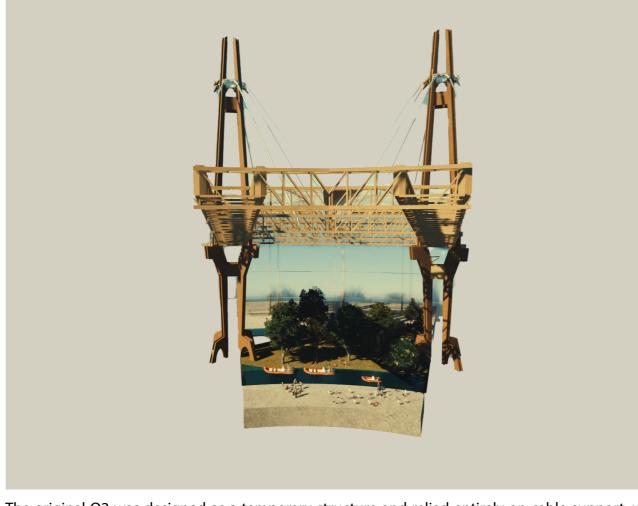
THAMES BARRIER
Thames Barrier (1982) was constructed to defend London from tidal flooding, marking the river's continued role in protecting and sustaining the city.

There is a large proportion of young people living in Greenwich, particularly in the North Greenwich area, where over half the population is aged 20–39. In response, our redesign of the O2 aims to create a vibrant, inclusive space that reflects the energy and lifestyle of this demographic





Timber is used instead of steel as it is a renewable material with a lower carbon footprint and is well-suited to prefabrication, allowing for efficient on-site assembly. Beyond its structural and environmental benefits, exposed timber surfaces contribute to a warm, natural aesthetic that enhances occupant comfort and creates a more welcoming, human centred environment.



The original O2 was designed as a temporary structure and relied entirely on cable support, with tall masts anchored by deep foundations. In our design, intended for permanent use, we introduced trusses to reduce both the height of the masts and the required foundation depth. This not only improves structural efficiency but also simplifies long-term maintenance.



