SUSTAINABILITY

The Tulip’s soft bud-like form and minimal building footprint reflects its reduced resource use, with high performance glass and optimised building systems reducing its energy consumption. **Heating and cooling are provided by zero combustion technology while integrated photovoltaic cells generate energy on site.**

- Targeting BREEAM ‘Outstanding’ rating
- Additional 130m² (1400sq ft) plaza space and 8.5 times green surface area: two green walls, Pocket Park and Roof Top Garden, supporting the Mayor’s goal for London to be the first National Park City
- Positive impact on air quality: zero combustion, improving The Gherkin’s systems, to support the Mayor’s goal of London having the best air quality of any major world city by 2050
- Optimised design combined with efficient systems and zero-carbon technologies result in a 42% carbon saving, contributing to the Mayor’s goal of London being zero-carbon by 2050
- Designed using circular economy principles and ‘zero waste to landfill’ operations, discouraging single-use plastics, in support of the Mayor’s move towards London as a zero-waste city
- 48% overall water reduction, with 100% recycled water for irrigation
- Car free
- Cycle spaces – 462 (335 long-stay and 127 short-stay spaces)
Completed in 2004, 30 St Mary Axe, now popularly known as The Gherkin, made a positive contribution at ground level by breathing life into its surroundings. The Tulip seeks to extend the site’s public realm by creating a truly unique viewing platform for the city.
A new Pocket Park is proposed alongside a two-storey Pavilion offering a publicly accessible rooftop garden. Public access will also be considerably improved with the removal of over half of the existing perimeter walls around The Gherkin.

- The Tulip is a companion structure that complements its neighbour and stands as a symbol for London.
- It builds a visual relationship to The Gherkin through its form. The Gherkin and The Tulip have a familial relationship. The Gherkin’s form is natural and organic and The Tulip sits harmoniously alongside The Gherkin because it too draws its soft organic form from nature.
- The Stem is as slim as possible in deference to The Gherkin, it houses lifts and provides structural support for the main spaces at the top.
- The top of the building is an organic and elegant shape. It is defined by the functions of the building, the structural restraints and the site boundary. It is rounded to create the best viewing angles possible; laterally and vertically.
DESIGN VALUE

The juxtaposition of the form of The Tulip, to the rectilinear nature of the commercial offices, makes it clear that it is something different to the rest of the buildings in the City, signalling its public and more accessible purpose. By rising up to 305.3 metres, the design ensures that the building is able to capture the vistas of London and beyond in all directions, providing an unrivalled experience of the City.

- As a purpose-designed visitor attraction the building adds a new asset to the City. Its height and location will provide incomparable views of the London skyline and the activities within will offer guests a memorable experience.
- Increased public realm permeability improves connections to public transport, pedestrian and cycle routes.
- The new entrance Pavilion enhances the existing active ground level of 30 St Mary Axe (The Gherkin) through its public roof terrace and additional retail businesses.
- The design employs an aesthetic that creates an openness in the way the building’s architectural and structural elements are expressed.
- Materials are used with precision, their purpose serving dual functions wherever possible, doing more with less.
- The stem’s flutes provide architectural articulation and serve as a structural device. This minimises material use through integrated design: a core principle of good design and creating sustainable buildings.
- The top of the building is transparent and elegant. It signals where the important spaces are in the building. Its rounded and domed form creates panoramic views out and creates a visual connection to The Gherkin below.
The materials contained in this document are drawn from the Evidence submitted to the Public Inquiry.

If you require high resolution copies of the images, please email your request to media@thetulip.com

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