



## REGENERATION AT GREENWICH PENINSULA



Construction is now underway on Meridian Quays, a significant new phase within the Peninsula Quays development at Greenwich Peninsula — directly opposite the O2 (Millennium Dome). This forms part of the wider Greenwich Peninsula masterplan, the largest single redevelopment London has seen in a generation.

Positioned on a prime west-facing waterfront site with uninterrupted views across the Thames to Canary Wharf, Meridian Quays is designed to maximise both architectural quality and long-term placemaking value. However, delivering major development at this location presents complex engineering and logistical challenges.

The site sits within a highly constrained urban environment, with immediate proximity to critical Transport for London (TfL) infrastructure and assets. Any increase in ground loading had to be carefully managed to avoid overstressing existing transport structures and underground services.

**Key constraints included:**

- Strict limitations on imposed ground loads
- Sensitive adjacent TfL assets
- Limited construction space and tight logistics
- Phased development requirements

The solution required a material that could reduce dead load while still providing structural reliability and long-term performance.

## FACTS

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**Amount of material:** 8500m<sup>3</sup> of [LECA LWA \(10-20mm\)](#)

**Interesting Fact:** By integrating lightweight geotechnical solutions early in the programme, the project team has enabled future phases to proceed on a stable and optimised ground platform.

**Delivery Method:** Walking Floor

**Main Contractor:** Galldris Group