



CLIENT
LLDC

ARCHITECT
Allies & Morrison

DURATION
2015 - ongoing

SERVICES PROVIDED BY
BUROHAPPOLD

Structural engineering, building services engineering, lighting, acoustics, sustainability, facade engineering, inclusive design, fire engineering, waste management, flood risk, transport, infrastructure, bridge engineering, ground engineering, people movement, security consultancy, ICT

STRATFORD WATERFRONT LONDON, UK

PROJECT OVERVIEW

BuroHappold Engineering has been chosen as part of the design team for the Stratford Waterfront redevelopment, as part of our continuing relationship with the on-going London Olympics development. BuroHappold will be delivering the Masterplanning, along with the concept stage design and development design for the building and infrastructure components.

This new cultural and education district on Queen Elizabeth Olympic Park in Stratford, East London will include new buildings for the Victoria and Albert Museum, Sadler's Wells, University of the Arts London and BBC Orchestra Studios. The site, at the gateway to the park, will also provide 75,000m² of new homes. The new cultural and education district will be built across two sites, Stratford Waterfront and UCL East where University College London will create a new university campus.

BUROHAPPOLD SECURITY SERVICES

From the brief, a consultant team was assembled to address the work, comprising of representatives from a number of specialist areas: BuroHappold Security, BuroHappold Management, BuroHappold Civil Engineers, Transport Research Laboratory and EC Harric (cost management) to cover the overall delivery and programme management.

We delivered a strategic management plan, produced across a broad range of stakeholder. The assignment required a combination of the following skills:

- Site audit and review
- Strategic security advice
- Threat and risk assessment
- Security planning
- Capability assessment
- Security operational policies
- Procurement assistance for security systems

INNOVATION & ADDED VALUE

The main challenges in projects such as Stratford Waterfront lie not only in integrating the site as a new destination within the wider context, activating the new public realm, but also creating a new destination with comfortable spaces for daily users and visitors. Our aim is to provide the design team with evidence-based inputs to inform about opportunities to unlock a vibrant and comfortable public realm and about the impacts of different scenarios on site circulation patterns and space configuration.

In order to assess and optimise the design proposals against the client vision, our team is working closely with other disciplines such as sustainability, transport and inclusive design consultants to define how the site performs in day-to-day and critical scenarios. Our study will help enhance the cultural, residential and retail visitor experience within the Stratford Waterfront site by ensuring the design facilitates efficient circulation, creates comfortable dwelling spaces and maximises retail opportunities.

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