

Service: Regeneration
Location: London Borough of Hounslow
Duration: Summer 2022



London Borough of Hounslow

Rooftop development



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Creating a safer, healthier community
where people now want to live

Delivering much needed innovative new home, without using more land

Innovative ways of creating homes and utilising existing space are required to help tackle the housing shortage and support community growth in London Borough of Hounslow.

Property in Hounslow costs much more than the national average, and with overcrowding, increased homelessness, and a shortage of homes, it is vital to develop new and genuinely affordable homes.

To assist those unable to find a home in the community that meets their needs and that they can afford, United Infrastructure worked closely with Hounslow Council to create much-needed innovative housing, helping them with their pledge to build 5000 new and affordable homes by 2022.

Working closely with the local community

Transforming occupied living spaces to deliver new homes requires meticulous planning in the phasing of our work and project delivery management to ensure that we cause minimal disruption to residents while keeping them, the general public and ourselves safe.

As such, close liaison was maintained with the residents to ensure they were fully aware of all construction activities, such as project progress and scheduled deliveries to the site.

This engagement ensured confidence that there would be limited disruption to their everyday lives and provided assurances regarding health and



More sustainable, lower-cost development

As well as new build developments, Hounslow Council looked to maximise spaces within existing buildings and carry out extensions to achieve its pledge of 5000 new homes by 2022.

To create this much-needed housing within an already densely populated area, we designed and constructed new rooftop extensions to existing buildings across seven sites in Hounslow.

Following in-depth investigations, we identified that 75 new homes could be built without increasing the footprint of existing structures, eliminating the need for land acquisition and groundwork, resulting in a more sustainable and lower-cost development for the customer.

Our roofscape expertise and experience also reduces construction time and minimises disruption to existing residents, allowing them to remain in situ throughout the installation.

As part of the rooftop development work, we were instructed to improve the energy efficiency performance of the new apartments to align with the borough's strategy to reduce emissions to net zero carbon by 2030.

Works included changing to an 'all electric' energy strategy with air source heat pump systems for heating & hot water, Mechanical Ventilation Heat Recovery (MVHR) systems, Solar PV, and electric car charge points. New cycle shelters were also installed to improve sustainability.

Modern, warm, and comfortable new homes

As well as providing much-needed new homes for people, the rooftop works will reduce carbon emissions and residents' energy bills while limiting the need to carry out high-disruption retrofit work in the future.

Improvements were also made to the local area, such as landscaping in and around the site, with new trees and shrubbery planted, additional parking for residents, and extra refuse/recycling storage to benefit both new and existing residents.



Together we achieve more



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For further information on how
United Infrastructure can help please contact:

Lucy Hollis

Head of Business Development

T: 07388 944 892

E: lucy.hollis@unitedinfrastructure.com

United Infrastructure, Building 4 Clearwater,
Lingley Green Avenue, Warrington,
Cheshire, WA5 3UZ
Switchboard: 01322 665522

unitedinfrastructure.com