East Ham Old Fire Station







- Reinvention of the former Grade II Listed Fire Station in East Ham into 7 affordable homes and a commercial unit
- £2 million budget, conservation architecture ≠ luxury
- Low impact interventions and sensitive repairs, within strict conservation guidelines

Client- Populo Living

Contractor- T&B Contractors

Structure and Civil- Momentum

PM & Cost- Airey Miller

Fire and BC- Wilkinsons

Planning- DP9

MEP- SGA

Heritage - Heritage Collective

Acoustics- KP Acoustics



Whole life carbon



Technical performance



Social value



Health and well-being



Resource efficiency



Ethics and transparency

Focus on preserving existing structures, achieving LETI A for Upfront Carbon and LETI B for whole-life cycle Embodied Carbon respectively, surpassing RIBA 2030 targets by 17%. Localised repair and replacement strategy to minimise upfront emissions: patch roof repairs, refurbishing window, maintaining majority of original structure

Performance improvements limited by budget, listed status and Part L requirements. Clever and strategic integration of enhancements, i.e. adding insulation during roof replacement. Resulting energy use generally meets Part L 2013.

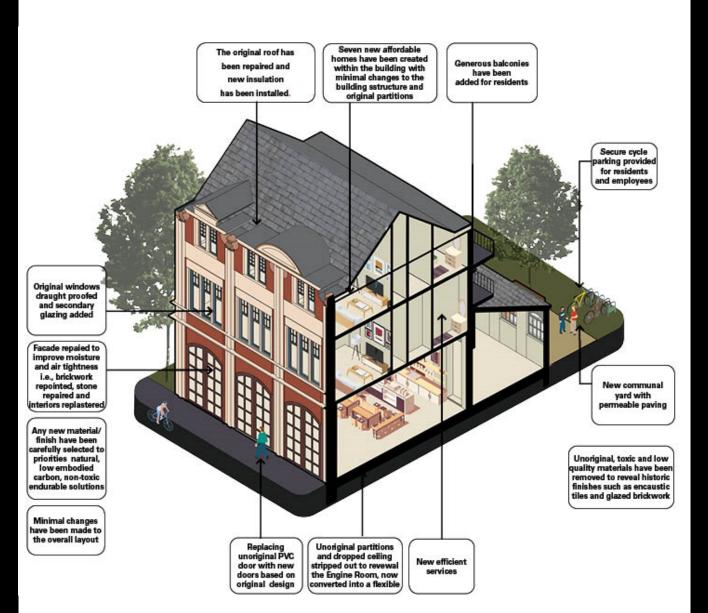
Reinventing a heritage asset to reconnect it to the community and the High Street and provide much needed affordable housing

Retrofit with a focus on making a healthier environment; with improved air quality, thermal comfort and acoustics

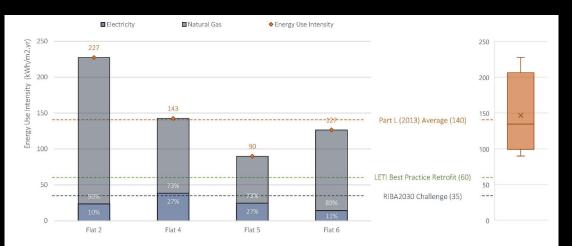
Removing unhealthy materials and adding in healthy new materials

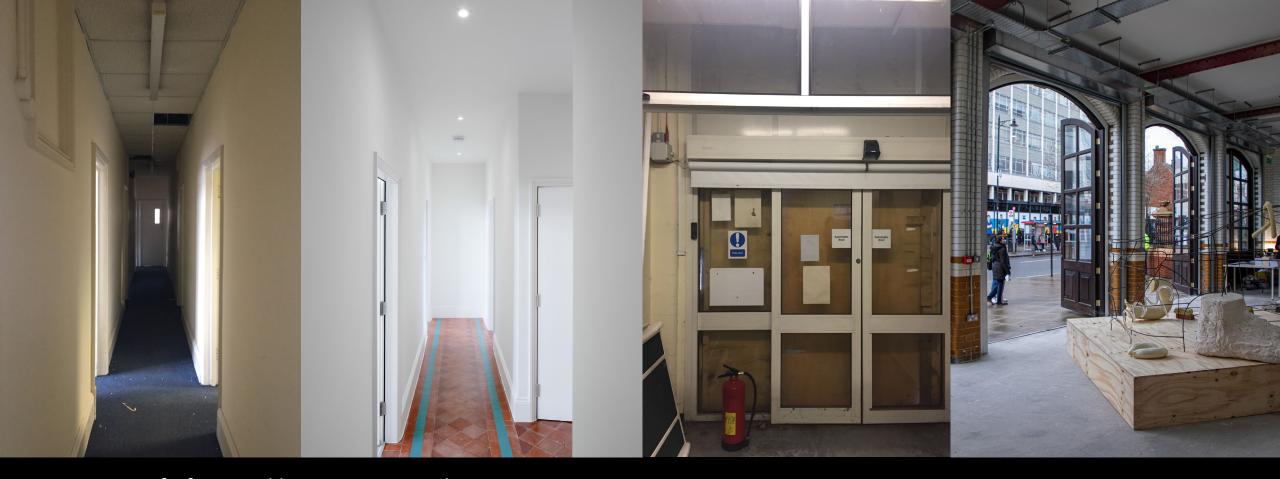
Sensitive repurposing without carbon-heavy demolition, retaining original structures and surfaces such as preserving original partitions and materials (caustic tiles, handrails,

dRMM fostered a collaborative working relationship with Populo. Novation to T&B allowed transitioning of project knowledge into construction phase, crucial when working with existing, listed building









Heritage retrofit for social housing is rare. The project democratises conservation architecture and challenges the assumption that it is an expensive undertaking. It offers an accessible and affordable framework for the adaptive re-use of civic heritage assets showing how this most sustainable form of architecture might be applied to addressing the housing crisis.