



Secondary Glazing System

Building Envelope Innovation Prize



Our Vision

The Arup Façades team aims to create an easily adaptable secondary glazing system to address the challenges of thermal comfort and increased energy costs associated with single-glazed fenestration products in existing buildings.



Our Strategy

We have considered different glazing and framing options to assess the resulting thermal performance. Based on our preliminary calculations and depending on the combination of glazing and framing options, we have achieved a system U-Factor of $0.19 \text{ BTU/h-ft}^2\text{-}^\circ\text{F}$ which is an exceptional thermal performance improvement given to an existing window system.

Our Team

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