

Monorail Solutions

IntegralCradles GIND | UK

DESIGN • MANUFACTURE • INSTALLATION • MAINTENANCE

Monorail Solutions

Elevate façade maintenance with a cutting-edge access solution engineered for modern architectural demands.

Designed for high rise structures, our monorails are designed with unparalleled safety, stability, and efficiency for façade maintenance, inspection, or glass replacement.



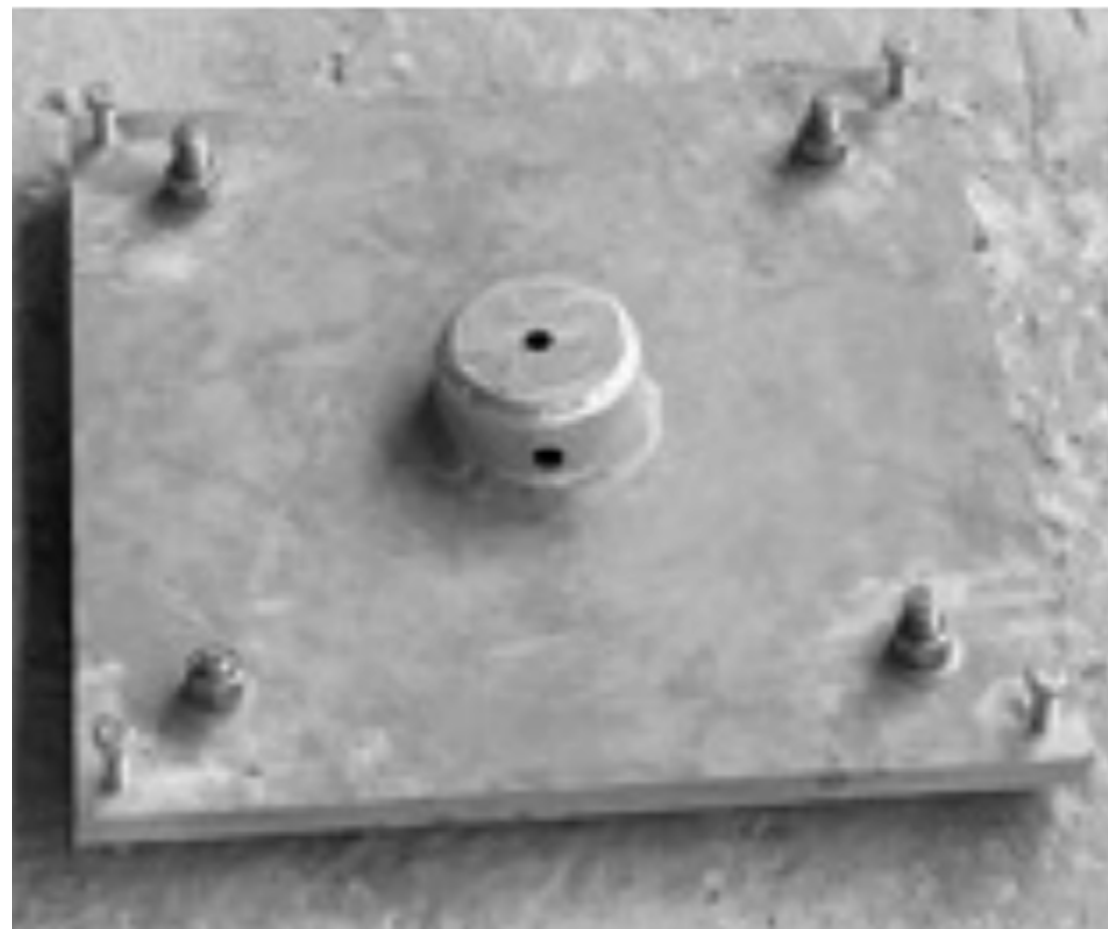
Monorail System With Powered Cradle

CONCRETE CONNECTION

One Nine Elms, London

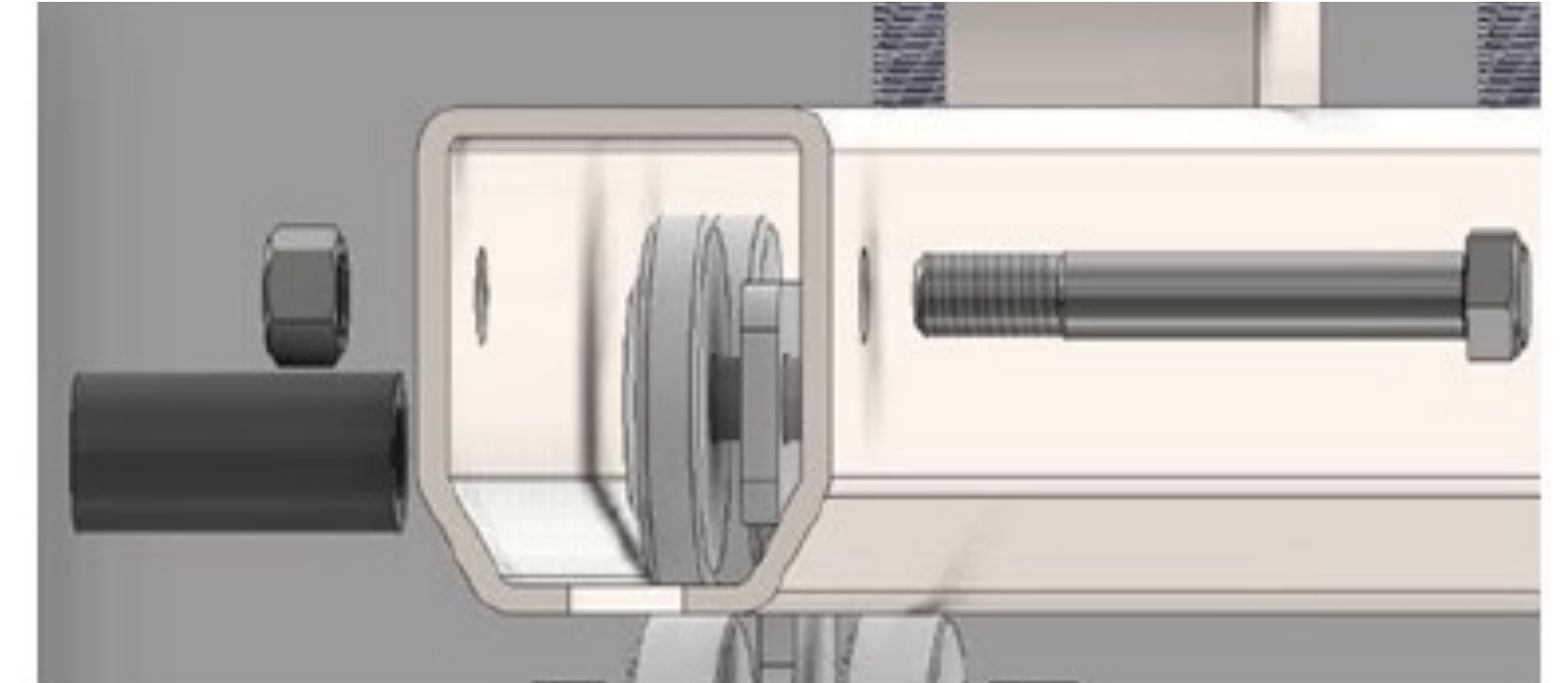
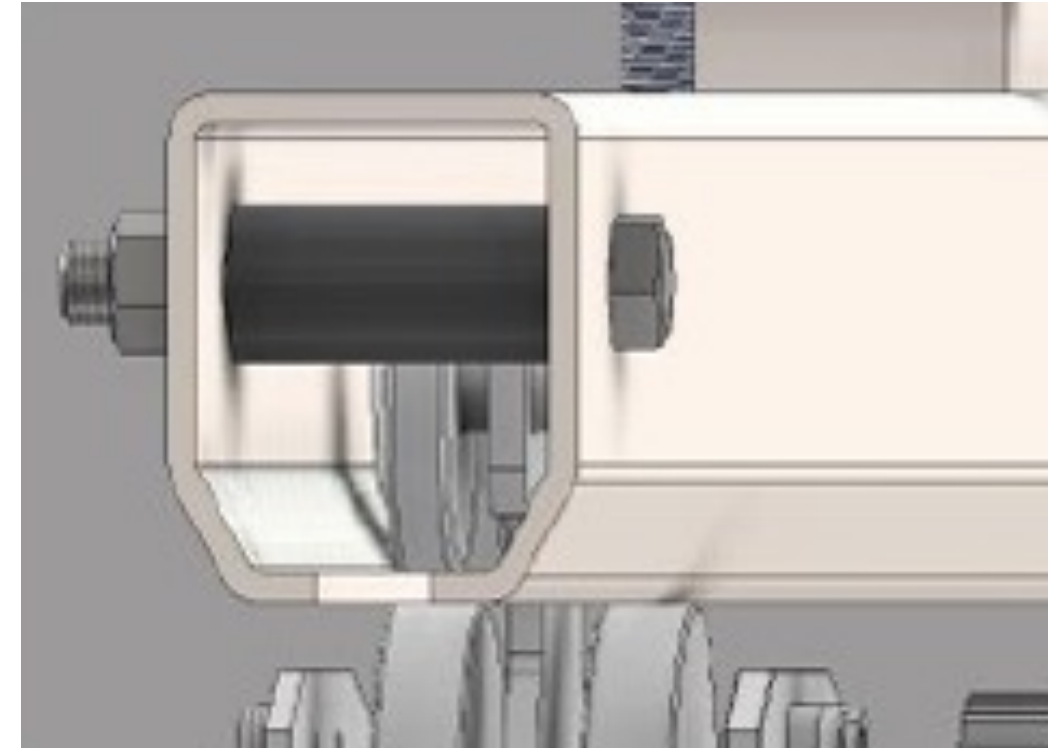
Strategically installed at Level 02 recessed soffit, our POWERED monorail system serves the expansive south recessed elevation, delivering smooth vertical mobility for efficient façade access.

Tracks are connected via HDG (Hot Dipped Galvanised) CHS brackets through slab.

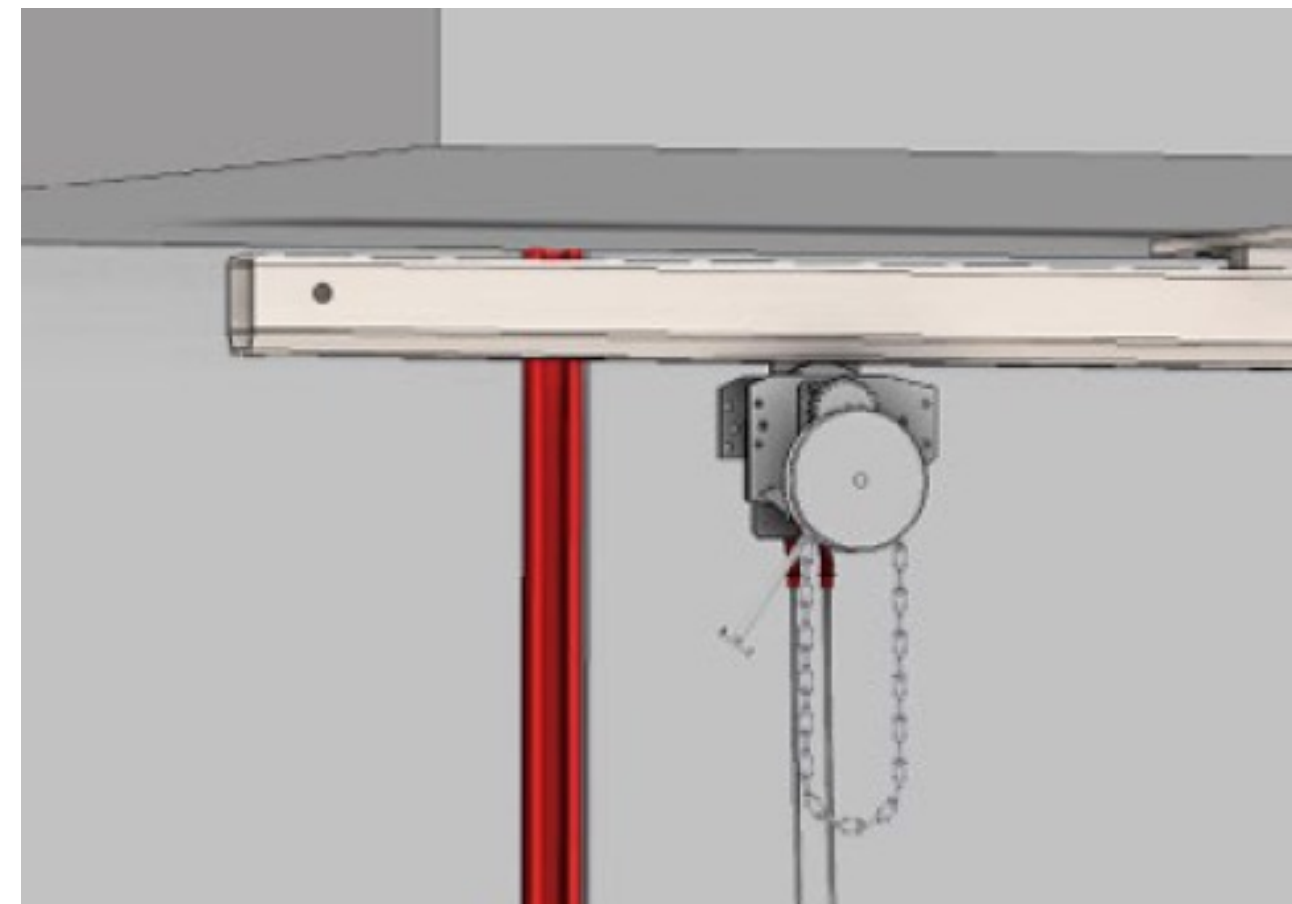


Trolley Rigging Procedure

- Remove the end stop on the end of the track, ensure you are using a net underneath the connection to avoid any part of the fixings falling to ground floor.



- Introduce the trolleys on the track and re-install the end stop as it was. The trolleys must be installed in the track with the traverse chain on the outside of the track.



- Connect the cradle ropes to the trolleys, ensure there isn't a twist on the ropes. There are 2No. of ropes per trolley.

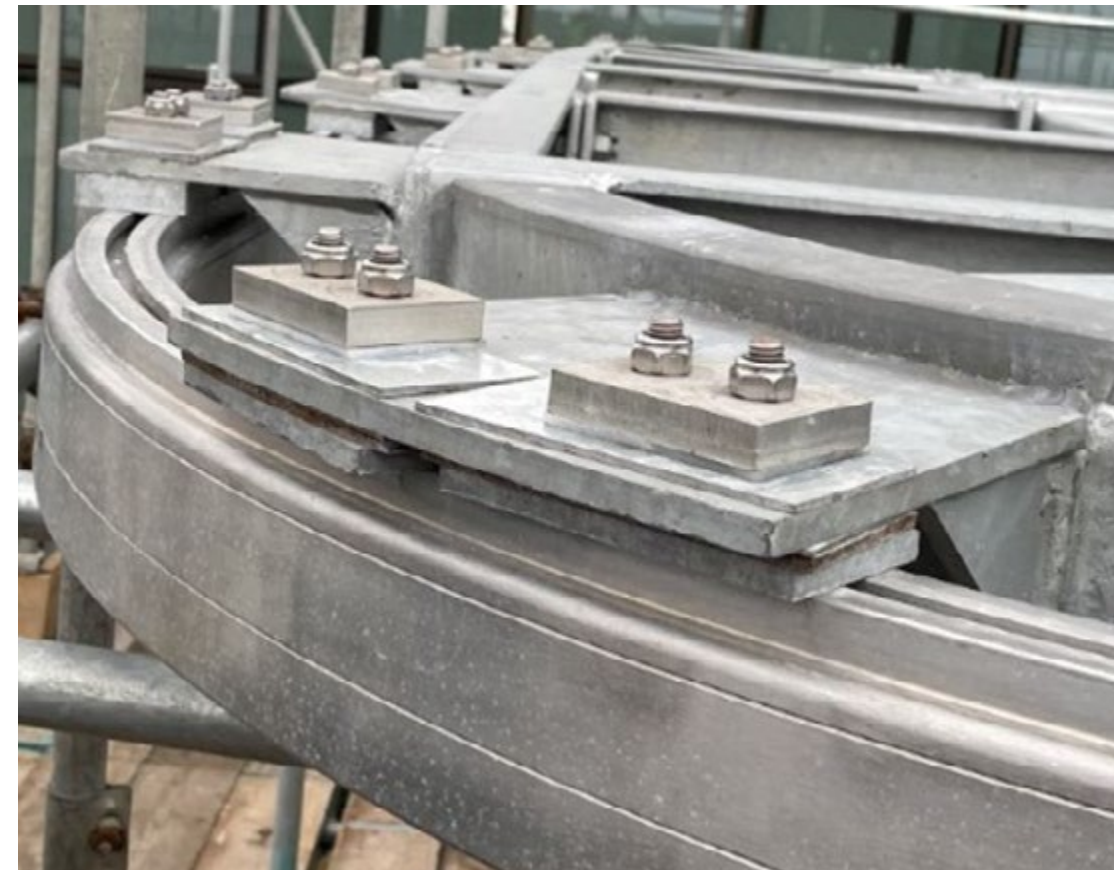


Monorail System

POWERED CRADLE, STEEL CONNECTION

Olympia, London

Monorail system is securely mounted on a robust steel connection bracket to serve north, east, and west elevation with ease. It enables smooth horizontal movement, providing reliable and efficient access for maintenance, cleaning, and inspection. This system is ideal for complex architectural geometries and demanding operational environments.



Monorail System – Glass Replacement Only

(MANUAL OPERATION, STEEL CONNECTION)

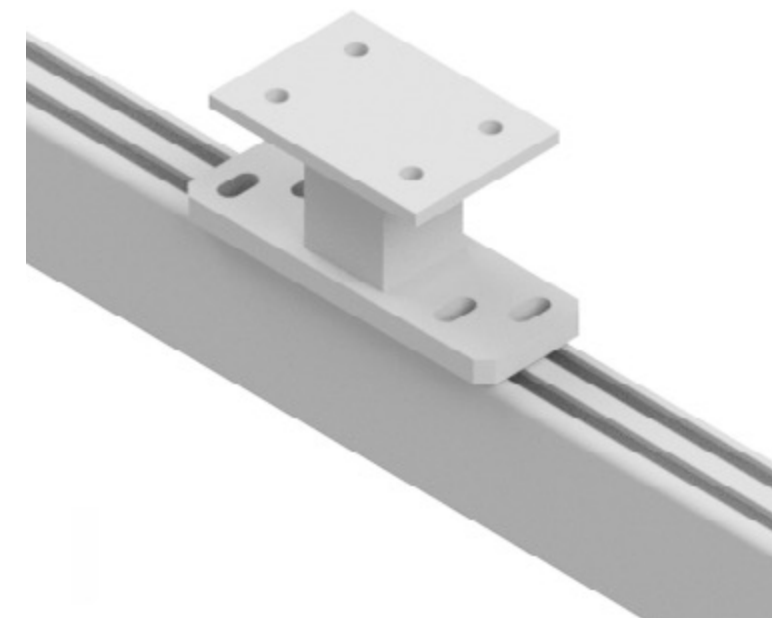
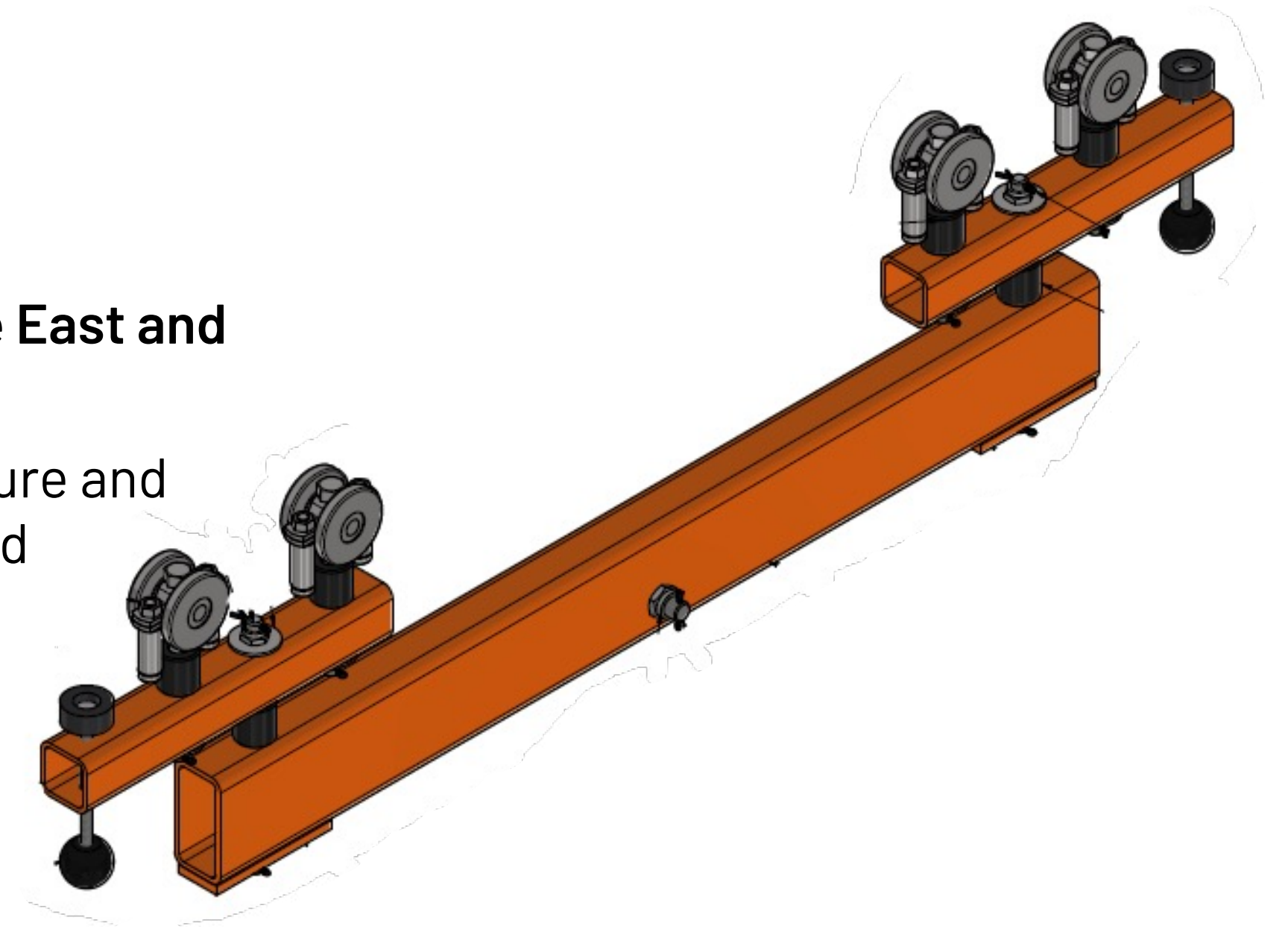
2 Aldermanbury Square, London

Integral Cradles proudly designed and installed two advanced monorail systems, serving the East and West elevations of the building exclusively for glass replacement operations.

Each monorail is engineered with a robust Safe Working Load (SWL) of 2,500kg, ensuring secure and efficient handling of heavy glazing panels. The systems are supported by precision-engineered rail brackets, spaced at a maximum of 1m intervals and firmly anchored to the building's secondary steel structure for optimal stability.

The removable trolley, easily stored in a designated space when not in use, enhance operational flexibility and site organisation.

In compliance with LOLER regulations, the monorail system undergoes an annual inspection, with access hatches strategically integrated for efficient maintenance and fixings checks.



How to contact us

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