

InterContinental Yujiapu Hotel and Convention Center

Tianjin, China

The Luxury hotel in China's new Manhattan

A completely battery powered BMU.

Client: InterContinental Hotels Group

The InterContinental Tianjin Yujiapu Hotel and International Convention Center is a unique building shaped by slopes and curves. Its facade is going inward at every floor. Located in the heart of the Tianjin Yujiapu Financial District, it is home to a five-stars hotel, a convention center and several major financial corporations.

Scope

Design and produce a discreet system for cleaning the façade that does not require three-phase power supply to avoid suspended wire cables.

Strategy

A climbing SafeAccess C rail is integrated in the building's canopy and merges into the architecture of the building. High friction trolleys powered by battery roll along the track. The battery powered RopeClimber cradle can reach any point of the concave facade thanks to restraint systems.

RopeClimber cradle

A lightweight battery powered BMU for 2 users with ropes

Concealing rail SafeAccess C
600m

Sloped rail sections
Up to 15°

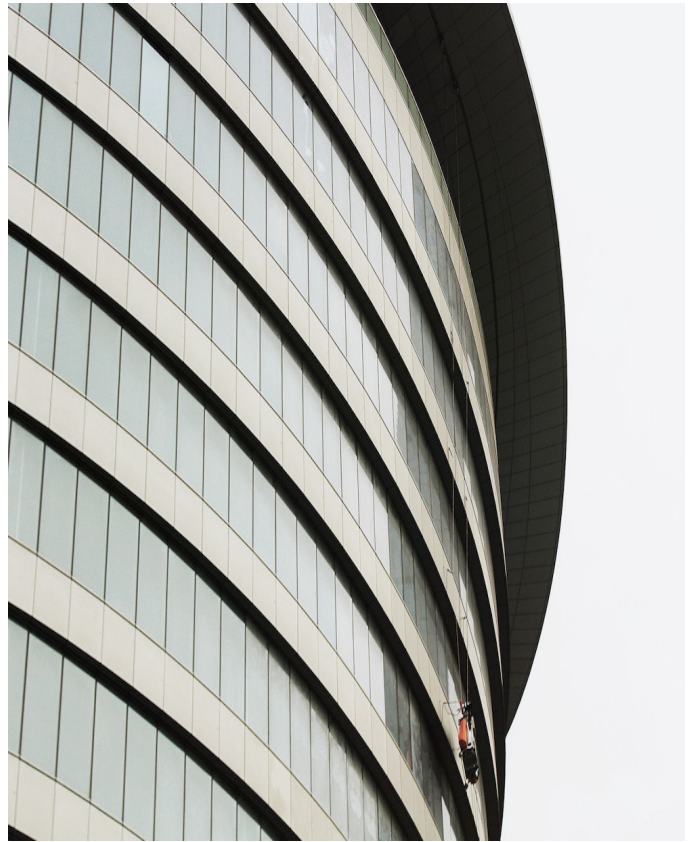
Pins restraint system
For work positioning at inward facade



Cradle RopeClimber suspended by 2 battery powered trolleys.



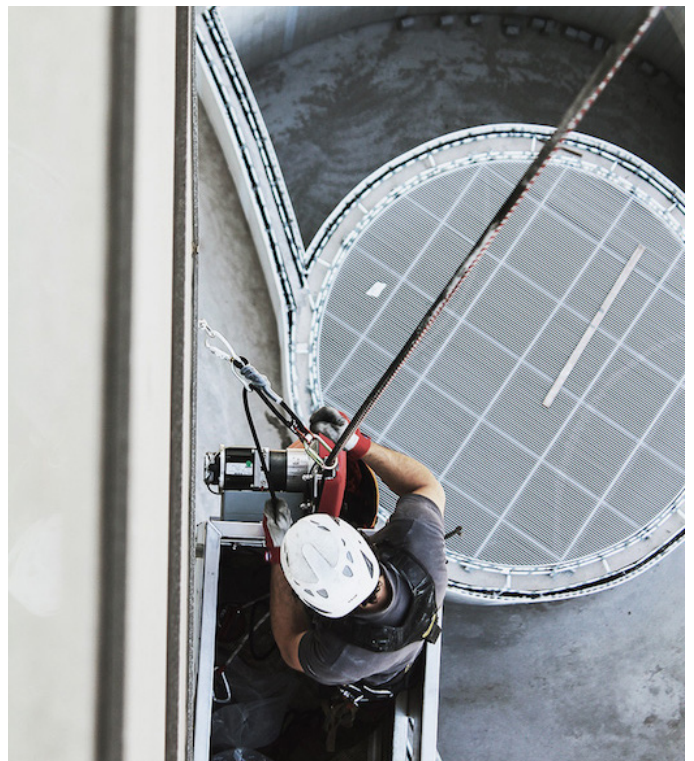
RopeClimber Backpack suspended on concealed SafeAccess C.



SafeAccess C + RopeClimber: an aesthetic and discreet designed system.



Facade restraint pins to keep the cradle next to the facade.



Restraint system from above.



Tianjin Yujiapu Hotel and Residences. The concealed SafeAccess rail is totally imperceptible.