



Rope Access for Facade Removal

CASE STUDY

THE PROJECT

Height Dynamics called in to safely remove existing facade panels from the exterior of a commercial building with minimal disruption to building occupants.

HEIGHT SAFETY STRATEGIES

Ground-Level Exclusion Zone:

- We marked out a work safe zone by erecting tall physical fencing barriers and safety warning signs around the perimeter of the building.
- This allowed our team a safe space in which to remove and lower facade panels to the ground and then prepare them for removal from the site.
- It also ensured no-one below was at risk in the event of a facade panel (or any other debris or tools) accidentally falling to the ground.

Industrial Rope Access System:

- After inspecting the site, we identified that there were existing permanent roof-mounted anchors we could use to gain access to the facade panels.
- Combined with our rope access equipment and PPE, these anchors allowed the Rope Access Team to safely access the building facade.
- The establishment of a rope access system was a big win for our client. It avoided the need for scaffolding and/or the use of a mobile work-platform — both of which are time-consuming, expensive and labour-intensive to set-up.

SITE

Commercial Building

LOCATION

Brisbane

SCOPE OF WORK

Remove facade panels from building exterior

HEIGHT SAFETY STRATEGIES

Create a Work Safe Zone
Deploy Rope Access Team

HEIGHT SAFETY EQUIPMENT

Roof Anchor Points
Rope Access Equipment
Height Safety PPE
Safety Signs/Barriers

HEIGHT SAFETY EXPERTISE

Risk Management Expertise
Rope Access Experience
Abseiling Skills

KEY RESULTS

- ✓ Facade panels safely removed
- ✓ Minimal inconvenience or disruption
- ✓ Operational risks managed

VALUE ADDED

Efficient, cost-effective and less disruptive than alternatives (ie scaffolding)



Two-Person Rope Access Team:

- A team of two experienced rope access operators then worked methodically to quickly but carefully release each lightweight composite metal panel from the building substructure and lower it safely to ground level.
- Once on the ground, they cleared away any debris, packed up each panel and removed it from the site.

KEY RESULTS

- All facade panels were safely removed from the building exterior as required.
- There was minimal inconvenience and/or disruption to building occupants.
- Passing pedestrians were protected from operational risks at all times.

VALUE ADDED

- Not having the requisite rope access equipment or skilled personnel, our client initially considered more disruptive and expensive alternatives (such as installing a significant new scaffolding structure).
- After calling in Height Dynamics, they were able to avoid the time and cost of this by making use of existing infrastructure (roof anchors) and using our equipment and expertise to get the job done.

