



FRASER PROPERTY CASE STUDY

Solutions for Solar-Sensitive Sites

Fraser's Property, a developer in New South Wales, came to us with a proposal to outfit their Ed. Square site at Edmondson Park, an urban development approximately 30km southwest of Sydney.

But every job has its twist, and Workplace Defender relishes all opportunities to shine.

Design Challenge: Vast Scope + Minimized Footprint + Sensitive Equipment

Ed. Square comprised a shopping centre, cinema 11 stores, accommodation towers, and over two acres of roof surface. Having already completed projects for large-scale building developers such as Stockland, Workplace Defender understood the requirements for big commercial projects. Ed. Square would require the usual intricate solutions for its vast needs, such as concerning cleaning systems, safe-access points and air conditioning, utilising davits, anchor points and even abseil points.

While Ed. Square was a new build and did not require us to work around numerous bespoke constructions, its complexity was added to due to Fraser's desire that almost every square inch of roof surface would be covered with solar panels - some of which had already been laid down, forcing our team to devise strategies to work around the sensitive equipment.

To complicate matters, when Workplace Defender was first invited to tender for the job, Ed. Square was a live construction project with tight operational windows and a fast-approaching deadline. While many companies might balk at the complexity of the Ed. Square project, Workplace Defender instead relished the opportunity to be involved.

Meeting Ambitious Visions and New Risks Head-On

Workplace Defender approached the Ed. Square job by first analysing what would be realistically achievable and then devising detailed drawings to illustrate how we would achieve Fraser's ambitious goals. The live construction site also meant that we would need to work alongside site engineers, project managers, builders and contractors to complete the project. A quick turnaround of our Safe-Work-Method Statement and Construction Plan meant that we were able to get started within a very aggressive timeframe.

Co-ordination with solar installations, to ensure that the solar system can be maintained and generate the optimum amount of power.

Within two weeks, Workplace Defender had set to work on the Ed. Square installation, which required working around sensitive and fragile panelling and surfaces which was either in situ or yet to be fitted.

During the process, several new risks were identified relating to emergency exit points. These risks were successfully mitigated by creating secondary/multiple provisions that would provide safer solutions in case of emergency.

Towards a Sustainable Future

Workplace Defender has immense pride in the Ed. Square project due not only to completing such a large job in a short amount of time but also because Frasers Property aimed to give the project a six-star energy rating, which would help the families and employees live and work in a sustainable and healthy environment, as well as being close to parkland and public transport.

We are grateful for the opportunity to play a small part in helping to keep the environment cleaner, one building at a time.

