

Grosvenor Place

Sydney, Australia

Case Study



Dual Knuckle Jib BMUs Elevate Facade Access at Grosvenor Place

Manntech has embarked on a significant project at Grosvenor Place, an iconic office tower in Sydney, Australia, initially designed by Harry Seidler, one of Australia's leaders in architectural innovation, in 1988. This upgrade involved replacing outdated and decommissioned Front Angle Guide Building Maintenance Unit with an advanced solution to improve safety, functionality, and operational efficiency.

Innovative Design and Efficiency

The project introduced two identical knuckle jib fixed-positioning slewing BMUs, each with a 5-tonne crane capacity for future plant replacement functionality. These units are designed to halve the facade cleaning time and ensure the safe replacement of facade elements and roof plant equipment. Innovatively, the BMUs incorporate a remote monitoring system and automated drop positioning, significantly reducing the risk of operator error and simplifying maintenance operations. This approach enhances the building's maintenance capabilities, promotes cost efficiency, and boosts Manntech's competitive advantage and position as a leader in façade access technology.

Navigating Installation Challenges

The installation of the new BMUs presented considerable logistical challenges, primarily due to the limited space available on the building's roof and the need to maintain uninterrupted building operations. Manntech's team, known for our meticulous planning and execution, designed secondary steel supports and tracks tailored to the building's existing structural requirements. The process involved strategic coordination for safely lifting components from the ground to the roof while managing traffic and ensuring safety throughout the operation.

Seamless Integration into Sydney's Skyline

This project showcases Manntech's proficiency in overcoming complex engineering challenges and its commitment to delivering high-quality, reliable solutions. Through careful planning and the use of 3D design tools, our team ensured that the new BMUs would meet local height limitations and visibility rules imposed by the Sydney City Council, thereby preserving the building's aesthetic integrity. The design and technological advancements of the BMUs enable precise movements around complex structures, such as sunshades, demonstrating a significant enhancement in the building's maintenance system. This improvement directly results in increased safety, efficiency, and cost-effectiveness in the building's maintenance operations.

This upgrade at Grosvenor Place improves the functionality and safety of the building's maintenance operations and exemplifies Manntech's leadership in integrating innovative facade access solutions.

Facts and Figures

Completion:
July 2025

Commencement:
February 2023

Building height:
190 m

Number of BMUs:
2

BMU Type:
Type 6

Outreach:
27 m

Building Type:
Commercial

For more information, contact us

<https://www.manntech.com/contact/enquire-now/>

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