

# SYDNEY METRO - WESTERN SYDNEY AIRPORT HV POWER SUPPLY

CASE STUDY



## *fast facts:*

*JOB SIZE: 70+ poles*

*LOCATION: Western Sydney*

*CUSTOMER: Smalls Power Poles & Linework*

## PROJECT OVERVIEW

Sydney Metro – Western Sydney Airport is the new metro railway line which will service Greater Western Sydney and the new Western Sydney International (Nancy-Bird Walton) Airport. The city-shaping project, from St Marys through to the new airport and the Western Sydney Aerotropolis, will provide a major economic stimulus for western Sydney, supporting more than 14,000 jobs during construction for the NSW and national economies.

The 23-kilometre new railway will link residential areas with job hubs including the new Aerotropolis, and connect travellers from the new airport to the rest of Sydney's public transport system.

The implementation of such a colossal project has necessitated extensive preparations and significant developmental efforts in the surrounding areas to ensure seamless construction and operational efficiency. One notable aspect of this preparatory phase involves the installation of a distribution powerline spanning a length of more than 70 poles. This powerline has been strategically positioned to serve as a crucial power source for the contractors working on-site during the airport's construction phase. The provision of uninterrupted electrical supply is vital for maintaining the momentum of this ambitious project and ensuring that the construction activities progress smoothly.



# SPECIALIST MATERIAL SUPPLY

Summit Power is a trusted provider in the field of distribution and transmission line hardware solutions. We played a pivotal role in supplying Smalls Power Poles & Linework, the contractor responsible for the installation of the temporary works associated with the Sydney Metro - Western Sydney Airport, with the full range of hardware required for the project's execution. This required the provision of over 216 construction kits, each arranged and presented to meet the specific requirements of the construction. These kits contained the complete range of components, ensuring Smalls Power Poles & Linework a smooth supply and construction of powerline infrastructure. The materials supplied by Summit Power included the following:

- HV Through Strain assemblies
- HV Through Pin assemblies
- HV Termination assemblies
- OHEW Through Pin assemblies
- OHEW Through Strain assemblies
- OHEW Termination assemblies
- HV Overhead conductor
- SWER Overhead conductor
- Composite fibre crossarms
- Pole top brackets and fasteners
- Post insulators and pins
- Generic powerline hardware
- OHEW term assy



The completion of these works was accomplished with great confidence through the support of Summit Power in supplying the necessary high quality materials.



Bradley Smallacombe  
Director at Smalls Power Poles & Linework

