

Australian War Memorial Roof Refurbishment

Major planning and implementation of protective systems and safety measures by Kane minimised disruption for the client on this $3 million project.

The project involved the removal of copper sheet roofing, rearrangement and alteration of roof support structures and drainage, and construction and cladding of a new roof to over 70% of the Memorial, including the dome. Copper material and traditional methods and work practices were used in keeping with the heritage and significance of the building. 'Raw' copper material was sourced in bulk quantities and 'custom rolled' to the specified roof profile after prototype testing was completed.

Remedial work to the Dome of the Memorial (over the Hall of Memory and the Tomb of the Unknown Soldier) was undertaken to rectify leaks which had been occurring for more than 30 years. Works were completed in separate 2 stages over a 2 year period with the building in full operation, with several thousand visitors each day unaware of the works proceeding overhead. The contract period did not allow extensions for inclement weather.

The project team encountered many challenges including significant alterations to the design which were identified and implemented during the course of the works and dealing with the 'unknowns' of working within an existing heritage building. The team also facilitated the safe work at heights requirements, on-going preparations and review of safe-work procedures and systems all while keeping the client well informed of the project's progress.

Sourcing of roofing tray materials in non-commercially available form, required prototype development and testing with CSIRO prior to approval for use.

Kane's project team worked with the Architect and Cost Consultants to resolve challenges presented by the existing building within the framework of the schedule of rates in the contract BOQ. Both stages of the works were delivered under original contract sum.

Kane Constructions Pty Ltd
kane.com.au

Client

Australian War Memorial

Consultants

Bligh Voller Nield

Value

$3M

