

RAF Syerston, Lincolnshire

John F Hunt



Babcock / Defence Estates



£250k



15 weeks

Project Overview

A Second World War Lancaster bomber hangar measuring 100m long by 50m wide & 15m high, scheduled for demolition to make way for the development of a new flight training facility for Cadets, .

Sprayed asbestos coating of the ceiling had already been removed, but to a poor standard. Before demolition could commence, the entire roof area was re cleaned removing the highly fibrous asbestos sprayed coating residue, under fully controlled conditions within constructed enclosures.



Achievements

Significant work at height issues but no accidents or incidents. Achieving an effective air management on the 3 constructed asbestos enclosures. Compliments on the planning & management of the whole project by visiting HSE Inspector, Mr Frank Lambert. Completion of the works within programme & on budget. The job was completed to a very high standard with no environmental impact

Challenges

Removal of 5000m² of asbestos sprayed coating material to the ceiling & rafters of the aircraft hangar.

To enable an effective air tight enclosure, the roof area was divided into three sections by scaffold partitions & sheeted with 1000 gauge polythene.

All air gaps were sealed with expanding foam. To ensure an adequate airflow through these three individual large constructed enclosures at least 12 x 5000 m³/hour Negative Pressure Units, in banks, were installed into the fabric of the enclosure.

All the high level work was undertaken from MEWPS.

Once the roof work and steelwork had been manually cleaned, the Torbo grit blasting units were employed, using garnet as the blasting medium to achieve a completely cleaned surface ready for the demolition.

