

# Gatwick Hangar 5 & PL 7 Buildings

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**BAA Gatwick & Taylor Woodrow**



**£250,000**



**18 weeks**

## Project Overview

The late 1970's built hangar 5 & PL7 Industrial Buildings at London Gatwick Airport, provided an aircraft hangar, maintenance workshops, welfare, offices & a storage facility. Constructed of reinforced concrete, structural steelwork, brick/block-work & profiled cladding, they were close to an air-side boundary but with direct access to the major road network.

Hangar 5 Structure - Asbestos removal and complete demolition. PL7 Building – Asbestos removal & demolition down to the top of the ground



## Challenges

With the hangar only 15 metres from the live runway, the most important part of the project was to prevent flying debris from the demolition works getting into the aircrafts jet engines.

This was achieved by using a rotating cracker attachment on the excavator, fitted with dust suppression units. BAA staff constantly monitored the atmosphere for airborne dust and particulate.

Existing underground services were protected & retained for re-use, as was the overhead travelling crane in the ground floor workshop of PL7, following salvage.

360° tracked excavators with super long reach booms, rotating concrete crackers & integral water sprays were used to demolish the remaining buildings, whilst the profiled roof sheets in Hangar 5 were removed using a long reach machine with a grab attachment to expose the lattice work beams.

## Achievements

The use of the rotating cracker fitted with dust suppression units significantly reduced the dust generated.

A survey was undertaken to identify any potentially hazardous substances other than Asbestos & proposals for the handling & treatment prepared.

Completion of the works within programme and with minimal disruption to the nearby business from plant movement.

The job was completed to a very high standard.

