

# CASE STUDY - INTERNATIONAL AIRLINE PILOT TRAINING SIMULATOR



## HEADLINES

LIVE

environment used by pilots meant limited opportunities to decommission power

EARLY

hours working to avoid disruption to power supplies

OFFSITE

fabrication of pipework provided a bespoke solution



## KEY FACTS

Project title: Aeroplane pilot training simulator  
Location: UK  
Client: International airline (confidential)  
Services: Mechanical and electrical  
Value: £230,000

Duration: 6 weeks  
G&H divisions: Building Services  
Fabrication

# CASE STUDY HOW WE DID IT



Working for a confidential international airline, we provided the mechanical and electrical (M&E) systems to power and run a new aeroplane pilot simulator at its training centre. Our work was staged over three phases: assessment, installing services and connection to the simulator when it arrived onsite.



First of all, we audited the existing mechanical and electrical systems and then carried out remedial works to ensure they were operating properly and to their maximum efficiency.



Critical to the success of the project was ensuring the existing three simulators were kept running while we introduced existing power supplies to a new, fourth machine. Pilots using the simulators would often train and practice on virtual long-haul flights and so any loss of power or cooling would result in the simulators failing in approximately three minutes.

Working in a live environment meant the opportunities to decommission power were limited so to overcome this and not infringe on pilots' crucial training, we worked into the early hours of the morning to avoid disruption.

G&H Fabrication provided a bespoke solution by making offsite the pipework for the external chiller that provides air conditioning for the cockpit of the simulator and for the hydraulic systems.

Installed services included chilled water, electricity, HVAC, a specialist fire alarm and gas suppression system and services to the simulator.



## KEY CONTACT

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