

Cranfield Airport - Approach Lighting System Replacement

Case Study

Company name - Dewhurst Airfield Services Ltd

Client - Airbus Hawarden Airport

Project value - £1.8 million

Duration - 6 months

Project Overview

Dewhurst Airfield Services was appointed to replace the existing approach lighting system at Cranfield Airport, upgrading outdated infrastructure to meet current safety standards and ICAO frangibility requirements.

The project involved the transition from a legacy system mounted on timber poles to a modern, compliant AGL solution.

Scope of works

The project included:

- Full replacement of the approach lighting system (22 units)
- Installation of new frangible mounting structures
- Excavation and installation of cable ducting and trenching
- Specialist moleing works beneath roadway infrastructure
- Installation of AGL cabling and new concrete bases
- Assembly and alignment of new approach lighting fittings
- Installation of a new CCR within the airfield substation
- Safe removal of the redundant legacy system

Delivery and execution

The project required close coordination with landowners due to existing drainage infrastructure within the approach area, alongside careful planning of civil and installation works.

Delivered over a two-month programme, the works were completed efficiently while maintaining strict adherence to safety and operational requirements.

Outcome

The upgraded system delivers:

- Full compliance with ICAO frangibility standards
- Improved safety and reliability of approach lighting
- A modern, maintainable AGL installation