



MoD Boscombe Down - Airfield Lighting Upgrade (Phase 1)

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 deliver a critical Aeronautical Ground Lighting (AGL) upgrade at MoD Boscombe Down, enhancing the performance, reliability, and future readiness of key taxiway and runway infrastructure.

Secured through a competitive tender process, this Phase 1 project formed part of a wider airfield modernisation programme, requiring precision planning, technical expertise, and seamless integration with existing systems.

Scope of works

The project encompassed the full refurbishment and upgrade of the existing AGL system, including:

- Comprehensive GPS survey of existing lighting infrastructure
- Design and reconfiguration of new fitting locations
- Installation of inset and edge lighting across taxiway and runway sections
- Coring and installation of new seating rings
- Construction of new pit and duct systems
- Installation of primary and secondary cabling networks
- Integration with existing substations and infrastructure
- Control system modifications and installation of new power units

Delivery and execution

Works were carried out with meticulous attention to detail, ensuring minimal disruption to operations while maintaining strict compliance with aviation and safety standards.

Our team coordinated each phase, from initial survey through to installation and system integration; delivering a robust and future-proof lighting solution tailored to the operational demands of a military airfield.

Outcome

The project was successfully completed with full testing, commissioning, and handover, resulting in:

- Enhanced airfield visibility and operational safety
- Improved system reliability and performance
- Increased capacity to support future infrastructure upgrades

This project reinforces Dewhurst Airfield Services' reputation for delivering complex AGL solutions in high-security, high-performance environments—combining technical excellence with dependable delivery.

