

Glasgow Airport - Multi Phase AGL upgrade

Case Study

Company name - Dewhurst Airfield Services Ltd

Client - Glasgow Airport

Duration - Phase 3: Nov 2012 – Apr 2013 / Phase 4: Nov 2013 – Apr 2014

Project Overview

Dewhurst Airfield Services was appointed to deliver a multi-phase Aeronautical Ground Lighting (AGL) upgrade as part of the Golf Taxiway rehabilitation programme at Glasgow Airport. The works were delivered across Phase 3 and Phase 4, supporting ongoing airfield redevelopment and ensuring continued operational safety and resilience during significant taxiway reconstruction activity.

The project involved complex coordination of AGL systems within an active airfield environment, requiring phased delivery to align with civil engineering works and maintain continuous airfield operations.

Scope of works

Delivered across multiple phases, the project included:

- Rewiring of primary AGL circuits from Substation N
- Installation of new DC control systems
- Cable circuit diversions to accommodate progressive taxiway construction phases
- Installation of new AGL infrastructure within the taxiway cul-de-sac area
- Installation of new stop bars at Echo, Fox, and Golf
- Integration of associated switched taxiway lighting segments
- Modifications to control and monitoring systems
- Substation works to enable installation and integration of new constant current regulators (CCRs)

Delivery and execution

The works were delivered across two structured phases (Phase 3 and Phase 4), aligned with the airport's taxiway rehabilitation programme between 2012–2014. Dewhurst Airfield Services managed the planning, installation, and commissioning of all AGL modifications in coordination with ongoing civil engineering works and airfield operational requirements.

Works included significant circuit diversions and system reconfiguration to maintain operational continuity while taxiway infrastructure was progressively rebuilt. Substation modifications were completed to support the introduction of new CCR equipment, alongside upgrades to control and monitoring systems to ensure full integration with the updated AGL layout.

Key site personnel included Adrian Blundell as Site Manager and P. Maymon as AL/AP Supervisor, providing on-site leadership and ensuring works were delivered safely and in accordance with airfield standards and regulatory requirements.

Outcome

The completed works successfully supported the phased rehabilitation of the Golf Taxiway system, delivering:

- Improved reliability and resilience of AGL infrastructure

- Safe and continuous airfield operations throughout construction phases
- Fully integrated control and monitoring system upgrades
- Enhanced taxiway lighting configuration to support revised airfield geometry
- Successful commissioning aligned with each construction phase completion

The project was delivered in line with the phased programme requirements, maintaining operational continuity and supporting the airport's wider infrastructure upgrade strategy.