

Glasgow Prestwick - Runway 30 Approach Lighting Replacement

Case Study

Company name - Dewhurst Airfield Services Ltd

Client - Glasgow prestwick

Project value - £290,000 million

Duration - 3 months

Project Overview

Dewhurst Airfield Services was appointed to deliver the full replacement of the Runway 30 approach lighting system at Glasgow Prestwick Airport, modernising outdated infrastructure and aligning the system with current CAA requirements.

The project involved a complete upgrade of the approach system, enhancing reliability, safety, and operational performance.

Scope of works

Delivered as a full turnkey solution, the project included:

- Complete replacement of the Runway 30 approach lighting system
- Removal of legacy masts, fittings, transformers, and cabling
- Installation of new glass fibre and alloy mast structures
- Upgrade from three primary circuits to two fully interleaved circuits
- Installation of new elevated AGL fittings and isolating transformers
- Construction of a new pit and duct system for primary cabling
- Modifications to the existing AGL control and monitoring system (CMS)

Delivery and execution

Appointed as designer and principal contractor, Dewhurst Airfield Services managed all aspects of the project, including coordination of civil works and stakeholder engagement.

Works required careful planning and collaboration with external stakeholders, including highway authorities and landowners, due to the approach system extending beyond the airfield boundary.

A controlled installation and pre-planned changeover ensured seamless commissioning, with minimal disruption to airport operations.

Outcome

The upgraded system delivers:

- Improved approach guidance and operational safety
- Full compliance with CAA standards and modern circuit configurations
- Enhanced system reliability and maintainability