



City of Derry Airport - Runway 26 Approach Lighting Installation

Case Study

Company name - Dewhurst Airfield Services Ltd

Client - City of Derry Airport

Project value - £250,000

Duration - 4 months

Project Overview

Dewhurst Airfield Services was appointed to deliver a specialist approach lighting installation at City of Derry Airport, supporting the Runway 26 approach via a unique gantry system extending over Lough Foyle.

The project required innovative engineering solutions to address challenging environmental conditions, including tidal exposure and harsh weather.

Scope of works

The project included the supply and installation of:

- Approach lighting system mounted on a steel gantry structure
- Installation of cabling, isolating transformers, and containment systems
- Integration of ARCA-enclosed electrical components for environmental protection
- Installation of frangible approach poles with mid-hinged sections
- Specialist cable management system elevated above walkway level to prevent tidal immersion

Delivery and execution

Working in partnership with Farran Construction, Dewhurst Airfield Services delivered the electrical installation within a complex marine environment, requiring careful planning and robust installation techniques.

Particular focus was placed on long-term durability, accessibility for maintenance, and resilience against environmental exposure.

Outcome

The completed system provides:

- Reliable approach lighting in a challenging coastal environment
- Enhanced system protection and maintainability
- A robust installation designed to withstand tidal and weather conditions