

# Signature Flight Support Redevelopment Phases 1 - 3



<b>Client Contact Name &amp; Number</b>	Simon Parish/Daniel Myles (01582) 724182
<b>Project Location</b>	London Luton Airport
<b>Project Cost</b>	£7M
<b>Project Start &amp; End Date</b>	Start – October 2014; Completion – July 2016
<b>Project Details</b>	Demolition of Britannia Building, Hangar 62, FBO Hangars and Building, Construction of Aircraft Stands and GSE Building
<b>Form of Contract</b>	NEC Option A
<b>Design Consultant</b>	Alex Lake - Fjori Limited

## Project Works and Key Quantities

- ▶ Demolition of 4No Hangars and Buildings including asbestos removal – 9000m<sup>2</sup> total
- ▶ Establishment of airside/landside compliant fencing
- ▶ Waste management and disposal of contaminated ground – H62 demise
- ▶ Site clearance and formation preparation
- ▶ Excavation and disposal – 6500m<sup>3</sup>
- ▶ Diversion of key services including HV main and installation of new sub-station
- ▶ New drainage including interceptors – 5km
- ▶ Installation of acoustic fencing inclusive of foundations – 125m 4m high
- ▶ Installation of high mast lighting – 8No
- ▶ Recycling and crushing to re-use broken out pavements including certification – 3000m<sup>3</sup> (passed on to Client as a saving)
- ▶ New aircraft pavements – 14000m<sup>2</sup>
- ▶ PQ Concrete – 6000m<sup>3</sup>
- ▶ Supply, lay and compaction Type 1 – 5400m<sup>3</sup>
- ▶ New AGL installation including new pit and duct network
- ▶ Foundations and substructure for new FBO – 3200m<sup>2</sup>
- ▶ Block paving – 2800m<sup>2</sup>
- ▶ Asphalt – 4200m<sup>2</sup>
- ▶ Kerbing – 2500m

## Project Principals and Objectives

The project was the demolition of 4No existing Hangars over several phases, construction of a new aircraft apron and cargo compound, groundworks and external works to the new FBO for Signature Flight Services at their existing location at London Luton Airport. The key objective was to minimize disruption to their existing flight services and London Luton Airport.







## Solution Focused Approach

As with all projects undertaken in an airport environment, the key priority was to ensure that throughout the construction works there was no impact on airport operations. This was successfully achieved with the following actions taken place to guarantee success:

- ▶ Close collaborative working with airport operator and project team from design through to day-to-day operations
- ▶ Early open planning to ensure all live environment working planned well in advance so appropriate operational and safety actions taken
- ▶ An additional consideration was the necessity that external works needed to take place while FBO was operational. High-class finishing and the specified paving were applied through structured phasing, allowing the FBO to operate as required

## Innovation and Best Practice

The project involved a broad range of civil engineering work; demolition, site clearance, excavations, service diversions, surface water and foul drainage, pavement quality concrete, line marking and airfield lighting. Best practice and innovation was essential and evidenced in:

- ▶ Employment of specialist service contractors where required helped facilitate the early handover of the project
- ▶ Detailed planning and collaborative working allowed the paving and finishing works to have no impact on operations
- ▶ The early handover created the opportunity for the client to generate revenue earlier than forecasted
- ▶ Recycling and crushing to re-use broken out pavements including certification – 3000m3 (passed on to Client as a saving)
- ▶ Phasing and sequencing of works to maximise operational aircraft space maximizing revenue to the Client



## Client Feedback

***"We have had an excellent working relationship with Ryebriidge and their culture and approach shone throughout the project. As a client we needed an organisation to understand what was required. Ryebriidge completely exceeded our expectations. It was essential that the work was completed on time without any impact for our customers. Ryebriidge achieved all of this and on top of this, to have an early handover meant we could operate commercially earlier than we had originally planned.."***

**Daniel Myles**

General Manager, Signature Flight Support

## Moving Forward

The success in this project reinforces our commitment to early engagement and a close partnership with our clients. Our clients can be certain that we have their objectives at the centre of what we do. We operate exclusively with a small pool of subcontractors so we can be certain of quality, safety and delivery.