



## Manchester Airport

PP03 MANTP

**Client:**  
Galliford Try & MAG

**Completion Date:**  
November 2018

**Supplier:**  
Titan Plant Hire LTD  
Cemex  
BASF

**Scope:**

- Set up onsite concrete batching plant and UKAS testing laboratory.
- Installation of AGL secondary ducting system.
- Installation of over 650 LM F900 Gatic Slot Drain (600mm, 400mm diameter) along with Silt box and Access chambers.
- Installation of 71,800m<sup>2</sup> of Pavement Quality Concrete (PQC) of various thickness (320mm, 345mm, 400mm and 430mm).
- Installation of 72,200m<sup>2</sup> of Lean mix concrete of various thickness (150mm and 175mm).

### Details:

Gill Civil Engineering Limited (GCEL) were appointed to undertake installation of pavement quality concrete (PQC) at Manchester Airport Transformation Project PP03.

With the large volumes of PQC and Lean mix concrete required for the project, GCEL set-up a specific on-site batching plant for the works and UKAS accredited concrete testing lab to ensure concrete demands were always met.

The concrete plant was installed with a heated water system to assist productivity and placement of concrete during extreme weather conditions.

Concrete is transported via the use of articulated dump trucks to work areas both airside and landside. Thorough compaction of placed concrete is ensured by the use of fixed vibrating poker attachments on the wheeled excavator and finished using semi mechanised concrete laying technique.

The project is divided into various sections (airside and landside), requiring day and night shift working to meet the critical sectional handover date. GCEL are experienced with client liaison to ensure the required functionality in conjunction with the ensuing works for maintaining an operational airport without undue disruption.

