

COMPLEX CHALLENGES ... MADE SIMPLE

RoC Consulting is a highly experienced and qualified team of civil, structural, geotechnical & geo-environmental engineers

CASE STUDY



AIRPORT CITY NORTH & SOUTH, MANCHESTER

Key facts

Project
Airport City,
North & South

Client
Airport City
Partnership

Value
£1bn Master plan

Project duration
2014 - ongoing



Civil Engineering



Structural Engineering



Earth Sciences

MIXED USE SECTOR

PROJECT OVERVIEW

In 2011 Manchester Airport City was declared an Enterprise Zone by the UK Government which will see businesses locating here being offered business rate discounts of up to £275,000, enhanced capital allowance on plant and machinery, super fast broadband and simplified local authority planning.

Airport City's 5 million square foot of development will include offices, hotels, logistics, warehousing and advanced manufacturing.

RoC Consulting was appointed by Airport City Partnerships to support the development frame work with provision of civil, structural, geotechnical and environmental engineering on both Airport City North and South.

Following a data gap assessment of technical information, we developed technical masterplan criteria so that a comprehensive site constraints study could be undertaken on both Airport City North and Airport City South sites. This has involved detailed geotechnical site investigation and flood risk assessments, and development of drainage strategies.

Whilst a number of detailed feasibility studies have been undertaken for office and car park development on the Central Business District (CBD) adjacent to the Worldway, a 130,000 ft² unit has been designed and built on Airport City South.

CHALLENGES

Masterplanning and feasibility studies of the CBD, has included developing specialist foundation solutions for proposed buildings adjacent to the Metrolink route and the negotiation of critical infrastructure build over agreements.

ADDED VALUE

A site wide holistic approach has been taken on both Airport City North and Airport City South in order to optimise plot levels so as to accommodate high level drainage strategy and recognising ground conditions achieved, and where required a cut and fill balance.

