



CASE STUDY FLOW SURVEY

MANCHESTER AIRPORT

Detectronic has been appointed by Massey Coldbeck Integrated Services (MCIS), on behalf of Jacobs, to deliver a flow survey of the foul sewer network at Manchester Airport.

MCIS are contractors for Manchester Airport Group and have worked at the international airport for a number of years. As part of the airport's ongoing expansion works at Terminal 2, Paul Percy, director at MCIS, was tasked with finding a partner to work with for partial verification of the site's existing hydraulic model.

INDUSTRY

Airports

PRODUCTS & SERVICES

MSFM S2U

Raingauges

Detecdata

OBJECTIVES

- To design and implement a bespoke flow survey within the foul sewer network
- To monitor flow at five separate locations across the airport site
- To ascertain partial verification of the existing hydraulic model using accurate and robust data



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PLANNING

Our sales engineer, Oliver Harrison, met with Paul Percy and, after reviewing plans, he put forward a proposal which scoped the bespoke flow survey project. Due to the location of works (some are airside) there was no opportunity for a 'pre-install' inspection of the chambers.

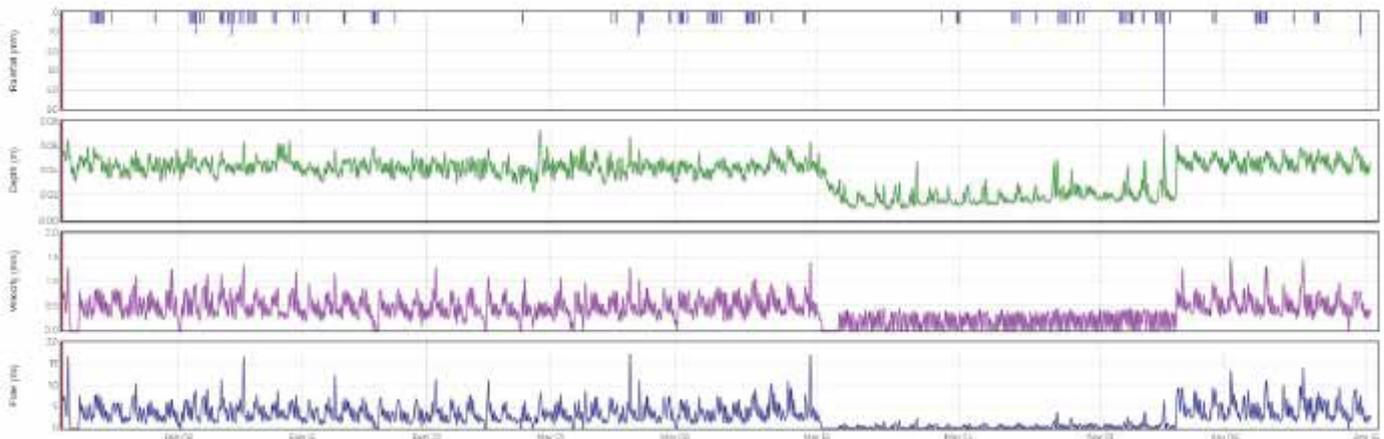
IMPLEMENTATION

Following discussions with Paul and his team, we implemented a tailored flow survey which included the installation of five of our MSFM flow monitors and two rain gauges at pre-designated locations within Jacobs' scope of works.

As chambers can sometimes be unsuitable for flow monitoring, we identified a few alternative locations for each monitoring site prior to visiting site. This planning saved valuable time as two of the pre-designated locations were deemed unsuitable.

ANALYSIS AND REPORTING

Each of the monitors is providing invaluable data that allows us to produce a report for Paul that contains all the information required to enable the partial verification of the current hydraulic model.



RESULTS

Several areas of the survey have recently been extended and MCIS have also purchased nine new loggers to monitor flow rates at pump stations around Manchester Airport. We are looking forward to working with MCIS for future project works which potentially include permanent installations and maintenance of wastewater monitors and the short-term hire of a transit time clamp-on flow meter at a pump station located near the airport.

To learn more about Detectronic, get in touch:

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