



GLASGOW SHIELDHALL TUNNEL CASE STUDY

DELIVERING FULLY INTEGRATED SECURITY SERVICES



SECTOR

Energy & Utilities

SERVICE

Manned Guarding

Traffic Management

CCTV Surveillance

CLIENT



THE PROJECT

The project is the biggest waste water network upgrade in more than a century involving tunneling works from multiple sites across Glasgow. H&M security services has provided the site security and traffic management personnel on the compounds which saw large numbers of lorry movements to transport earth away from the sites as the Costain Vinci project team build a three mile-long waste water tunnel in the south of Glasgow.

In what proved to be a highly unique project, the tunnel was constructed using a specially designed boring system big enough to fit a double decker bus inside and more than five times as long as the Clyde Tunnel, running under Bellahouston Park, Pollok Park and along Titwood Road to Queens Park where it ties into the existing sewer network.

The £100m tunnel is intended to improve the quality of water in the River Clyde and its surrounding tributaries whilst at the same time reducing flooding issues in key locations in and around Glasgow.

THE CHALLENGE

The project was working closely alongside large residential estates on the edge of Glasgow. In addition to the community issues of managing vehicle movements, noise and dust, the project had to also consider the security risks of persons gaining entry onto the site, and the dangers this would cause if they gained access to the open shafts and underground tunnel networks.

The high value of the specialist boring machines, both in terms of repair and possible delay to the project was also a significant risk.

THE SOLUTION

H&M Security provided a mix of static and mobile camera solutions to help protect both the external perimeter of the site, and the most vulnerable or high-risk areas such as shaft heads. Cameras were monitored by security on site and through H&M Security's 24/7 control room, and the technology was

supported by the onsite security team who were able to respond immediately to any alerts or possible incidents.

Remote sites were supported with a mobile team, who worked with the monitoring stations to ensure a quick response to any incident, and maintain a visible presence at sites where static guarding or was a cost effective option.

The large number of truck movements was a particular challenge to this project. H&M's team of Traffic Marshalls helped to orchestrate and managed the flow of vehicles to ensure the impact on the local community was kept to a minimum, and that the site remained a safe place to work. At each stage of the project there were new challenges with various types of vehicles needing access to the site, these included muck away vehicles and segment trucks, all vital to keeping the project working.

H&M also deployed officers on the pedestrian access points, they made sure that only authorised persons entered the site and conduct PPE checks to ensure all personnel on site were compliant with the relevant health and safety regulations.

BENEFITS TO SCOTTISH WATER

Delivering large infrastructure projects in the middle of urban areas and local communities brings many challenges. Having robust security is an important part of the projects delivery, and helps prevent incidents and delays, as well as improving safety to the community and workers on site.

In addition, the traffic management plan is essential to maintaining the project schedule. Any delays in the logistics of waste removal would have a knock-on effect on the overall project completion date.

H&M security's services are proud of our contribution in the delivery of this project, that shows what can be achieved through working closely together.

"You get a good idea of how a job is run and managed purely between the points that you first lay eye's on the site hoarding to the time you actually get to the reception desk".

Neil Grosset, Project Director

“ Whilst delivering a great service is always our main priority, building long term relationships through a warm and friendly approach is something we strive for at H&M ”

Ian Henderson, Managing Director

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