

GLASGOW



GLASGOW OPERATIONS CENTRE

KEEPING A CLOSE EYE



85 55-inch industrial LCD displays show live streams from 440 CCTV cameras around Glasgow city centre.

INSTALLED PRODUCTS

85x 55-inch ultra-super narrow bezel LCD displays

11x netPIX 4800 video wall controllers with IP decoder units



2014 will be one of the most exciting years in Glasgow's history. In July and August Glasgow, which is also the fourth biggest city in the UK, hosted the 2014 Commonwealth Games, a major international sport event with sportsmen and visitors from all members of the Commonwealth of Nations. Alongside the Games, the city also hosted three 60,000-capacity open-air concerts during Radio 1's Big Weekend and will also be home to the 20th MTV Europe Music Awards (EMA) in November.

To manage these major events and the daily city traffic safely and smoothly Glasgow has built the Glasgow Operations Center (GOC), one of the biggest control centres for traffic and security surveillance in the UK. On 85 55in displays from eyevis over 2,000 IP camera signals from Community Safety Glasgow and Traffic Control & Management Glasgow can be monitored and controlled. This state-of-the-art technique is in use to make life in the city smarter and safer.



Glasgow is the fourth largest city in the United Kingdom

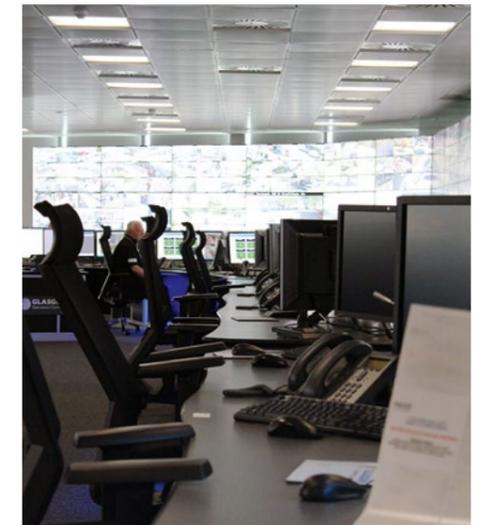
HIGHER EFFICIENCY THROUGH JOINING OF FORCES

The facility brings together teams from Community Safety Glasgow's (CSG) CCTV operation and Traffcom – the Glasgow City Council team which monitors the city's road network including traffic lights and traffic cameras. The different strands of PSCCTV, the emergency services, traffic management and environmental control are pulled together under one roof. With the facilities now pooled, CSG and Traffcom have joint access to the city's entire network of CCTV & traffic cameras. The council has found that the majority of Traffcom cameras (86%) are trained on areas previously not covered by CSG. Similarly, 32% of CSG's cameras now benefit Traffcom operations.

The GOC shall be an ongoing project that will be extended steadily. In April 2014 after six weeks of operation only phase 1 was implemented. Phase 2 will mark the installation of significant upgrades to new digital cameras, new interactive mapping systems, traffic system upgrades and video analytics. Staff at CSG believe the true benefits of the centre, in terms of reducing crime and anti-social behaviour, will be seen in the next phases of the project once the new technology upgrades have been integrated.

FLEXIBLE INSTALLATION

The GOC is home to 85 eyevis 55in displays (in a range of different video wall configurations) and 11 video wall controllers, which show live streams from 440 CCTV cameras currently deployed around the city centre. eyevis UK was one of the video wall manufacturers involved with the project consultants, IBI, at the outset of the project over two years ago. The initial discussions between the manufacturer and the consultants centred on how they could build a control room that could handle thousands of IP streams. Alex Adleigh, sales director from integrator SSUK takes up the story. "When the client came to us originally, and we started the design and planning work, the original building plans only had space for 1x 19in rack unit. However, a suitable



environmentally controlled equipment room was created to house the required multiple 19in racks."

Additionally the architecture of the new control centre had to be considered. The GOC is housed in a modern office building, built two years previously. This had ramifications for the video wall installation because the floor of the building on which the GOC is situated has glass walls, which meant the screens couldn't be screwed to the wall. Every video wall in the installation sits on specially modified peerless carts. The difficulty was that when the operator is seated (as they are 24/7), the entire video wall wasn't high enough to be completely visible. SSUK had to detach the top section of the bracket from the back of the cart and get it duplicated in a fabrication store, which was then welded back onto the cart to make it two feet taller.

The real muscle of the operation is handled next door to the GOC in the server room, where 11x eyevis Netpix 4800 series video wall controllers, incorporating 65 daisy chained IPD32 decoders sit in racks, hard at work. Each one is capable of managing 32 D1 (720 x 576 resolution) IP streams, which gives the GOC the ability to handle up to almost 2,100 different feeds at once. This technology allows Glasgow to approach major events with confidence.