

DEVELOPMENT OF DYNAMIC TRAFFIC MANAGEMENT



Before the start of CIVITAS PORTIS there were multiple different CCTV systems across the city operated by ACC and its partners. Each system used different technologies, different maintenance agreements and different budgets for procurement, operations and maintenance, with each operating largely with limited interoperability or coordination.

It was proposed to co-locate and integrate these systems where practical and effective to bring about improved safety, more efficient operation and cost savings. This was expected to improve current transport network operations and any interventions that can be made to alter or redirect vehicle movements away from incidents or congested areas during periods of high demand.

CONTEXT & CHALLENGES

The idea behind this measure was to establish a template that sets out the most cost effective solution both now and projecting forward 15 years (including areas for development and whole life costs) that would integrate operational activities that will oversee operation of safety, security for public areas, traffic management and network operation of roads including the area of the harbour. This will enable the city centre, its surrounding area and any other locations



identified as being of strategic importance to be incorporated into future infrastructure and operational arrangements thereby benefiting from system integration and connectivity using a common data platform.

a cost-benefit analysis developed through CIVITAS PORTIS.

The objectives on measure level were:

- An improved traffic management and network reliability
- Cost efficiencies generated by integrating isolated systems into a jointly operated system
- Improved partnership working and collaboration.



As part of this project, Aberdeen City Council and its local partners undertook a gap analysis of what systems existed, their uses, any operational restrictions and the level of service and operational approach planned for the future which takes account of the benefits of joined up working. Then, a Joint Control Operations Room was implemented based upon the action plan and



RESULTS - FINDINGS - LESSONS LEARNED



This piece of work is an excellent example of what can be achieved through good working relationships and having a strong focus on shared vision and delivery. The Joint Control Room Strategy undertaken as part of PORTIS enabled the better understanding of CCTV network and how systems could be integrated, improving public safety and

the improve management of the transport network. The project is anticipated to bring about cost savings, cost efficiencies as well as time savings benefits for road users. With an improved transport network it is also anticipated to bring about improved air quality and ability to respond more quickly to road incidents. The project is an excellent example of what can be achieved with having clear objectives and each partner and individual understanding their role within delivery of the Control Room.

- **Lesson 1:** If possible, learn from other cities and/or organisations who are looking at implementation of, or have implemented an, Operation Control. This is important to learn from them how they undertook their process, what worked well and what did not work as well.

- **Lesson 2:** Engaging with potential project partners is extremely important to help understand the existing CCTV networks and they have the opportunity to feed into the process, helping build greater collaboration.



CONTACT

Amye Ferguson / City of Aberdeen

Email: AmFerguson@aberdeencity.gov.uk

More info about CIVITAS PORTIS can be found on our website <http://civitas.eu/portis>

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