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## A Selection of Global MSC Security Projects

Client	Project Value	Detail
Trinity House	Confidential	Trinity House appointed MSC to review their existing CCTV estate across their lighthouses and three vessels they operate to advise them on the actions required to ensure legislative compliance and best practice of their systems. They also required training in the ethical use of CCTV for their various managers and operators.
Herefordshire Council	Confidential	Herefordshire Council have requested MSC to conduct a study of its existing public space CCTV systems across Hereford, Ross-on-Wye, Leominster and Ledbury to establish their on-going viability and to provide a detailed report concerning its limitations. They are aware that their ageing analogue systems could benefit from an upgrade to IP and high definition cameras. The council needs to know if it can afford this aspiration or what other considerations it can make.
London Borough of Barnet	Confidential	After providing a comprehensive report with numerous recommendations for Barnet Council to adopt an improved cost effective delivery of CCTV across various council departments, they have requested MSC to advise them in carrying out their various responsibilities to procure systems to match their requirements.
The Royal Borough of Windsor and Maidenhead	£1.5 million	The RBWM council commissioned MSC to procure the CCTV system for the PSS areas using the wireless transmission solution with new HD cameras and new control room command and control system. We will compile the tender specification, assist in the tender evaluation and project manage the installation of the complete system.
Maidstone Borough Council	Confidential	Maidstone Borough Council requested MSC to carry out an evaluation of their existing CCTV system to ascertain the cost to upgrade the system to migrate the transmission to wireless transmission and upgrade the command and control system. Options to share facilities with neighbouring authorities were also to be considered. MSC are required to provide a budgetary cost of the various options.
Swale Borough Council	Confidential	Swale Borough Council needed to relocate their existing CCTV control room a short distance from its existing site; it also wished to take advantage of the opportunity to migrate its analogue PSS CCTV system to IP and possibly high definition (HD) cameras. MSC were commissioned to undertake a feasibility study to ascertain both the capital and revenue costs to undertake this work in order that annual costs may also be reduced by the use of wireless transmission.
RouPELL Park, Residential Management Organisation	Confidential	RouPELL Park Management required an effective high definition CCTV system to manage and protect its residential properties in Brixton, London. MSC designed a wireless transmitted system that would meet the Operational Requirements. We created a tender specification, which we then evaluated from the tendering companies. The contract was awarded in January 2018 for completion prior to the end of March 2018.
Dorset County Council	Confidential	Dorset County Council wished to move the Weymouth and Portland Borough Council CCTV control room from its location on the Weymouth seafront to the DCC HQ, 12 miles away. They wished to take advantage of new technology to replace their aging hardware and to make it possible to utilise IP/HD cameras when it was possible to afford them. MSC were commissioned to ascertain costs to migrate to a new platform to establish fixed prices on top of the study MSC carried out for Dorset Police two years ago.
London Borough of Barnet	Confidential	Barnet Council wished to undertake a thorough review of all its public space surveillance (PSS) used across the council's portfolio; this includes PSS CCTV, redeployable cameras, ANPR and Body Worn Video (BWV). The council requires an options appraisal on various choices of operation and wish to consider streamlining its various separate and diverse CCTV contracts.
Dyfed Powys Police and Crime Commissioner	£400,000	Dyfed Powys Police and Crime Commissioner wished to ensure the c130 obsolete analogue CCTV cameras installed across the force area in fifteen towns were brought back into use with IP wireless transmission and high definition camera images all operating on the same software platform, which would all be owned and operated by the police. MSC won the competitive tender to supply the services to examine options and maximise the investment to enable the police to view images both locally and by departments requiring the images. We have designed a suitable wireless network with supporting hard-wired cabling, all controlled from the force headquarters in Carmarthen.
The Royal Borough of Windsor and Maidenhead	£1.3 million	The RBWM council recognised its analogue CCTV system was becoming obsolete and difficult to repair; it also wished to reduce revenue costs associated with the transmission of CCTV images. Cognisant that it has high profile sites to protect such as Windsor Castle, the Royal Household, military bases and Ascot racecourse, etc. it wanted a review of options to migrate its transmission to a wireless IP system and establish costs to upgrade its CCTV estate to IP/HD for cameras and





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Bristol City Council	£2.5 million	control systems. MSC were commissioned to carry out these investigations together with an Operational Requirements study and Privacy Impact Assessments to validate existing cameras BCC acknowledged its analogue CCTV systems were approaching the end of their useful life and no longer supported by manufacturers; additionally, procurement of CCTV services was fragmented across numerous departments from many security providers, which did not make economic sense. MSC was commissioned to undertake a root an branch review to establish the facts, how much was spent annually and to provide a procurement strategy over the next three years to upgrade its old, analogue CCTV estate. There were a total of 69 recommendations made as part of this study. Camera trials were also conducted to choose a preferred ruggedised PSS CCTV camera to be used across the city
Central Bedfordshire Council	£650,000	CBC needed to establish the justification for the continued use of its PSS CCTV systems and whether there was a legitimate aim, pressing need and met the OR and PIA. MSC were commissioned to undertake this study for each and every PSS camera +200 in both daylight and darkness conditions.
Christchurch Borough Council	£250,000	The council needed to relocate its CCTV control room from Christchurch Police Station to the nearby council Civic Offices. It wished to retain its existing five-year-old analogue control room equipment but explore the possibility of migrating its transmission medium from third party rented fibre to wireless IP to future proof the technology. MSC were commissioned to manage the whole process whilst migrating to a wireless transmission infrastructure and to project manage the work.
Torbay Council	Confidential	The council has aging CCTV systems and can no longer afford to continue to pay large revenue sums to third party fibre optic transmission providers for an out-dated analogue service. It was considering the complete removal of all CCTV systems across Torquay, Paignton and Brixham. MSC convinced the responsible officers that the service could be provided on an improved IP platform with IP and High Definition cameras for much less cost. MSC are carrying out an investigation to prove Line of Sight (LOS) with a view to creating a tender specification to update the whole system
Barnet Council	Confidential	Barnet Council installed Traffic Enforcement cameras but found there were numerous rejections of the PCN's and the system was not achieving its full potential. It requested MSC to undertake a review of the service and to ensure it remains complaint with the SCC's CoP and meets Operational Requirements and Privacy Impact Assessments
Thames Valley Police	Confidential	Thames Valley Police are conscious of the value of CCTV images they receive from Local Authorities from their Public Space Surveillance (PSS) CCTV systems and are keen to ensure these images are maximised and relayed to the numerous police departments across the force where CCTV images are important such as custody, Silver Suites and Major Crime units who could make use of this data without the need to travel to CCTV control rooms to obtain DVD copies. MSC has been commissioned to ascertain the existing PSS CCTV capability across the TVP area and how CCTV operations may be carried out more economically and if necessary, how collaboration and the reduction of the ten existing CCTV CR's can reduce costs and duplication.
Central Bedfordshire Council	£650,000	The council wished to reduce its reliance on third party fibre optic circuits and upgrade its control room command and control software. MSC were commissioned to carry out a feasibility study to migrate the transmission to wireless and to provide budgetary costs for these services.
Wycombe and Aylesbury Vale District Councils	Confidential	Wycombe wished to close its control room and migrate its CCTV monitoring service to Aylesbury, some 15 miles away. MSC were tasked to ascertain the costs and identify any risks and difficulties that carrying out this relocation may produce. MSC provided a report with budgetary costs outlining the aspects that need to be dealt with and how images would be transmitted elsewhere.
Police and Crime Commissioner for South Wales Police	Confidential	The South Wales Police & Crime Commissioner is keen to ensure the valuable images the police receive from Local Authority Public Space Surveillance (PSS) CCTV Systems are maximised and where possible, made more cost effective. MSC has been commissioned to ascertain the existing PSS CCTV capability across the SWP area; the effectiveness of systems and how they impact on crime and disorder; how CCTV operations may be carried out more economically and if necessary, how collaboration may reduce costs and duplication.
West Oxfordshire and Cherwell District Councils	£250,000	The councils wished to reduce operating and staff costs by merging control rooms. MSC were tasked to ascertain the implications and costs of how this could be achieved and what transmission implications their were. A budgetary report outlining the options was presented to both councils'



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		working groups.
<b>Bath and North East Somerset Council</b>	<b>Confidential</b>	MSC complied ITT for the provision of a new Video Management System (VMS), Encoders and enhanced recording. Assist evaluation and advise on award and implementation.
<b>London Borough of Merton</b>	£1.7 million	MSC compile a combined ITT for both the public space surveillance CCTV control room upgrade consisting of GUI and NVR's and the new 41-camera ANPR enforcement camera system. Manage the PQQ and OJEU process through to evaluation. Project manage the 6-month implementation.
<b>Hastings Borough Council</b>	£250,000	Compiled ITT for the implementation of a control room relocation and the upgrade of recorders, cameras and other obsolete equipment. Project manage the 5-month implementation.
<b>Willow BID, Morden</b>	<b>Confidential</b>	Engaged to carry out a review and audit of the Willow trading estate's 16 camera Public Space Surveillance system. Compiled report and made recommendations to procure an upgraded wireless IP transmission system together with a further 8 new High Definition Cameras.
<b>Luton Borough Council</b>	<b>Confidential</b>	MSC carried out Body Worn Video (BWV) Training and the production of the Operational Training Manual for use of these cameras by operatives. Regular training of the staff in the use of BWV has also been provided.
<b>Luton Borough Council</b>	<b>Confidential</b>	Carried out a comprehensive, review, Privacy Impact Assessment, Operational Requirement and compliance audit of the council's 136 Public Space Surveillance cameras together with legal requirements and the production of an up to date CCTV Code of Practice
<b>Dorset Police</b>	<b>Confidential</b>	Work with Dorset Police on behalf of the Police and Crime Commissioner to develop costed options for consolidated CCTV control rooms across Dorset County
<b>London Borough of Merton</b>	<b>Confidential</b>	Carry out a detailed Operational Requirement and Privacy Impact Assessment of all the councils' 280+ public space surveillance and office/departmental cameras to comply with the Protection of Freedoms Act and the new Surveillance Camera Code of Practice. Recommend the removal of numerous, redundant cameras with consequent cost savings
<b>South London Waste Partnership</b>	<b>Confidential</b>	Carry out an assessment of the CCTV systems over six waste disposal/recycling sites operated in the partnership by Royal Kingston, Merton, Sutton and Croydon Councils. Assess compliance and make costed recommendations to improve the quality of the images and efficiency of the systems
<b>Clifton Suspension Bridge Trust</b>	<b>Confidential</b>	The Clifton Suspension Bridge, spanning the picturesque Avon Gorge, is the symbol of the city of Bristol. For almost 150 years this Grade I listed structure has attracted visitors from all over the world. MSC was requested to carry out an audit of the iconic suspension bridge CCTV systems and to recommend the best use of developing technology to create a safer environment for visitors and drivers utilising fibre optic cabling, thermal imaging and High Definition camera equipment. We delivered the report and procured a new HD and Thermal Camera imaging system for the bridge
<b>London Borough of Merton</b>	<b>Confidential</b>	Provide on-going retained consultancy service support to the council to procure a new maintenance contract provide specialist advice on all aspects of CCTV both technical and operational/compliance
<b>North Somerset Council</b>	<b>Confidential</b>	Provide a CCTV control room options appraisal of potential income opportunities and methods to reduce costs whilst improve the efficiency of the service
<b>Bristol City Council</b>	<b>Confidential</b>	Carry out a feasibility study and scoping exercise of the potential to reduce costs to consolidate three existing CCTV control rooms to one multi-disciplined Operations Centre and management hub
<b>London Borough of Merton</b>	<b>Confidential</b>	Provide condition and risk status of Public Space Surveillance (PSS) CCTV system highlighting operational and reliability risks. Provide costed report relating to options to migrate rented transmission system to wireless facility. Benchmark the existing CCTV Code of Practice against the CoP issued under the Protection of Freedoms Act 2012
<b>Cherwell District Council</b>	£50,000	Assess implication to migrate camera system in Bicester and Kidlington from third party transmission links to wireless. Compile tender specification to undertake the replacement of the existing town centre camera system and to migrate the transmission onto a wireless utilising the police communications mast at the police HQ. Project manage the implementation
<b>VOSA</b>	<b>Confidential</b>	Carry out the audit of their buildings across the UK and provide a report with budgetary costs setting out recommendations relating to the upgrade and installation of CCTV, access control, and intruder devices

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<b>London Borough of Sutton/Metropolitan Police</b>	£1.2 million	Compile tender specification to undertake the replacement of the existing town centre camera system to HD and IP and to migrate the transmission onto a wireless, revenue free system. Relocate and upgrade the CCTV control room within the Sutton Police Station. Evaluate tender returns; coordinate project meetings and provide the project management for the implementation
<b>London Borough of Sutton</b>	£150,000	Carry out an Operational Requirement and PIA of all PSS cameras, the Civic Centre and recycling centre and to make recommendations as to the locations and numbers of cameras together with the preferred recording mechanism. We then compiled a tender specification to integrate these two 'stand-alone' CCTV systems into the Public Space Surveillance System
<b>Cherwell District Council</b>	£100,000	Assess implication to migrate camera system in Banbury from third party transmission links to wireless. Compile tender specification to undertake the replacement of the existing 40-town centre camera system and to migrate the transmission onto a wireless, revenue free system. Project manage the implementation
<b>Weymouth &amp; Portland Council</b>	<b>Confidential</b>	Compile compliant CCTV Operational Procedural Manual
<b>London Borough of Sutton/ Metropolitan Police</b>	<b>Confidential</b>	Provide condition and risk status of Public Space Surveillance (PSS) CCTV system highlighting operational and reliability risks. Provide costed report relating to options to migrate rented transmission system to wireless facility and to high definition (HD) cameras and provide parking and moving traffic enforcement using the PSS system with additional enhancements. Benchmark the existing CCTV Code of Practice against the CoP issued under the Protection of Freedoms Act 2012
<b>DAS Insurance</b>	<b>Confidential</b>	Carry out the audit of their five buildings across the UK and provide a report with budgetary costs setting out recommendations relating to the upgrade and installation of CCTV, access control, and intruder devices. Offer advice regarding the provision of manned guarding arrangements. Develop a tender specification for both electronic and manned guarding security
<b>Welsh Government/ Welsh Transport Technology Consultancy/Amey</b>	£500,000	The WTTC wishes to migrate its analogue CCTV system to a more responsive, efficient IP one. They engaged MSC to work with them to develop a tender specification to replace the 300+ cameras along the M4 and other trunk roads together with the new Back Office facility.
<b>Aylesbury Vale District Council</b>	<b>Confidential</b>	Carry out the audit of the Public Space CCTV system, its value and public perception together with the results. Compile new, compliant CCTV Code of Practice and Operational Procedural Manual to include the Protection of Freedoms Act 2012
<b>Melksham Town Council</b>	<b>Confidential</b>	Specify and procure a new wireless IP town centre CCTV system for the Community Safety Partnership
<b>University of the West of England</b>	<b>Confidential</b>	Compile an annual security audit report for Accommodation Services highlighting the areas where improvement can be made for the safety and security of students, staff and visitors
<b>Dacorum Borough Council</b>	<b>Confidential</b>	Assess tender returns submitted for CCTV upgrade in Hemel Hempstead, Tring and Berkhamsted
<b>Christchurch Borough Council</b>	<b>Confidential</b>	Compile the public space CCTV Strategy for Christchurch and East Dorset Council together with the provision of a new, compliant CCTV Code of Practice and Operational Procedural Manual to include the Protection of Freedoms Act 2012
<b>Weymouth &amp; Portland Council</b>	<b>Confidential</b>	MSC reviewed the existing CCTV systems in the Weymouth and Portland, Dorchester and the Bridport area to develop the technological and strategic services 'Options Appraisal' report to save annual revenue of circa £100k p.a.
<b>Birmingham Science Park</b>	<b>Confidential</b>	Undertake a review of existing CCTV systems; develop an 'Options Appraisal' report
<b>Sainsbury's and Cherwell District Council</b>	£150,000	Design, specify and commission a new shopping centre and multi-storey car park CCTV camera and recording system to be installed in a joint project in Bicester for images to be transmitted 15 miles away to the town centre CCTV control room in Banbury
<b>Queen Mary University London</b>	£175,000	Carry out full review of technological security systems across the three remote campuses and make recommendations to deal with reducing revenue costs and providing a resilience option in the event of the control room communications failure



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University of the West of England	Confidential - £ Millions	Compile an Operational Requirement for a new internal and external IP CCTV system for the UWE's four campuses comprising of circa 240 cameras. Review compliance with legislation, policies and procedures and make recommendations to make a more effective and efficient service. Access control to all premises (and circa 3,000 residential rooms) and the IT network will be upgraded as part of this work
Kingston University	Confidential	Carried out an audit of procedures on behalf of the University for compliance with the SIA to achieve Approved Contractor Status
Newport City Council	Confidential	Undertake a review of existing control room to make recommendations to improve effectiveness and income streams from services provided
Aylesbury Vale District and Bucks County Councils	£300,000	Assess proposals for both councils for submissions by integrators for an Urban Management Traffic Control (UTMC) system to integrate into the existing town centre CCTV system for dual use of cameras from two control rooms, managed on one platform from a synchronised Graphic User Interface (GUI)
Hastings Borough Council	Confidential	Undertake a review of existing CCTV systems and control room to develop the technological and strategic services 'Options Appraisal' to inform future decision making processes and to cater for on-going budgetary projection and maintenance costs for the next 10 years
DeMontefort University	Confidential	Carry out full review of security systems across the campuses. Review compliance with legislation, policies and procedures and make recommendations to make a more effective and efficient service.
Bordelais Correctional Facility, St Lucia	Confidential	Undertake an audit of CCTV control room and security systems throughout the correctional facility including access control, ANPR and intercoms
Torbay Council	£150,000	Compile report and method to transfer existing CCTV control room and upgrade systems to reduce on-going revenue costs with BT transmission using private fibre optic cabling
Aylesbury Vale District Council	Confidential	Compile an assessment of the proposed wireless IP transmission CCTV system proposed by Bucks County Council and assess compatibility of systems for future integration and sharing of images
South Gloucester Council	Confidential	Compile a CCTV and Communications Strategy to provide guidance, objectives and direction for the next 5-10 years, generating an income stream and reducing operating costs
Trafford Council	Confidential	Undertake a review of existing control room CCTV and 'Careline' systems situated in the town; recommendations made to improve on resilience, effectiveness and income streams from services
University of Bristol	£75,000	Undertake a review of existing CCTV and access control systems; design new CCTV control room for remote monitoring. Compile CCTV Strategy and specify, tender and project manage the works
Belfast City Council	£250,000	Assessed CCTV and access control systems intended for Belfast City Hall, made recommendations and produced tender specification and contract; project managed the installation works
Christchurch Borough Council	£300,000	Requested to undertake a feasibility report of existing camera and control room CCTV systems situated around the town and to evaluate the Operational Requirements to install additional cameras
South Oxon/Vale of White Horse District Councils	Confidential	Retained as a technical consultant for the two councils to provide advice with regards to all aspects relating to Public Space CCTV
West Oxfordshire District Council	£150,000	Manage integration of Section 106 works for a developer of a private shopping centre to have cameras managed by a public space CCTV system control room. Manage the upgrade from analogue to digital recording within the existing control room and paid for by the developer
Your Homes Newcastle	£2 million	Carry out the implementation of the first phase of the Concierge Block Upgrades known as Riverside Dene and North Kenton to use as a template and sounding ground for technology to be rolled out across Newcastle concierge housing
West Oxfordshire District Council	£75,000	Carterton wished to take advantage of the existing public space CCTV system working in Witney and requested a four-camera system be implemented to transmit images to this control room 7 miles away. MSC were commissioned to specify a suitable transmission system and to manage the process





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<b>Bristol City Council</b>	£350,000	The council manage a number of concierge CCTV and access control rooms around the City and requested a feasibility study to cost the options for consolidating some of these to reduce manpower operating costs and to make better use of technology coupled with its own fibre optic system. MSC were commissioned to provide a return on investment cost (ROI) to merge these
<b>Southeastern</b>	Confidential	Provided a BTEC Level 3 qualification in Covert Foot Surveillance training, for plain-clothes officers, for the rail organisation. Skills were taught for working with CCTV operations, planning and for gathering evidence by covert means
<b>Trowbridge Town Council</b>	£250,000	Evaluate existing town centre and shopping centre, joint CCTV system and make recommendations to ensure cost effective relocation of control room with joint partners within the new unitary authority of Wiltshire Council
<b>Your Homes Newcastle</b>	£15 million	Carry out a feasibility study of the existing security and concierge systems used by the social housing organisation, Your Homes Newcastle (YHN). Review security provision across all sites and provide costed standardised service specification and a new dedicated control room. Consideration also given to opportunities for income generation and the introduction of additional value added services
<b>Cherwell District Council</b>	£400,000	The Council intend to upgrade the control room at Banbury police station, which MSC originally upgraded six years ago. MSC were requested to compile the specification to take into account a new digital recording system, GUI and control room furniture
<b>Slough Borough Council</b>	£75,000	Commissioned to specify tender and to Project Manage the CCTV upgrade for the Art at the Centre in the High Street of Slough
<b>West Oxfordshire District Council</b>	Confidential	The council wished to install a traffic management system that would use variable message signing to inform drivers of remaining car park spaces in various car parks. These would be controlled by Automatic Number Plate Recognition (ANPR) counting vehicles in and out of the car parks. MSC were commissioned to identify suitable signage, back office software and ANPR software, etc.
<b>South Gloucester Council</b>	£340,000	Undertake the project management of the upgrade of transmission for a number of existing town centre IP CCTV systems throughout the councils' area to 'self-provide' fibre using analogue transmission and to install new camera systems in other remote areas
<b>Parkridge Holdings Ltd</b>	£90,000	Parkridge are developing a new retail, car park and residential area for the capital town of Wiltshire, Trowbridge. Part of their Planning Conditions was to supply suitable public space cameras, monitored in an efficient way by the town centre CCTV system operators. MSC were commissioned to design suitable cameras to comply with the National CCTV Strategy
<b>Torbay Council</b>	£1.2 million	Conduct feasibility options report, make recommendations and manage the process to upgrade the fifteen year old camera system and install new Community Control Centre
<b>Dover Harbour Board</b>	Confidential	The Dover Port has numerous, diverse CCTV systems which have grown organically with no strategic direction; we were asked to audit these systems and to make recommendations with particular emphasis on critical systems that would be expected in a very busy passenger terminal
<b>Wiltshire County Council</b>	£150,000	The Council wished to secure a Travellers' and Gypsy site and to obtain evidence of anti-social and criminal behaviour. MSC were tasked to design a system, minimising the revenue costs and utilising existing fibre optic links for monitoring at a nearby established town centre CCTV control room
<b>Bristol City Council</b>	£75,000	Waste disposal sites around the city had vulnerable fencing and potential theft issues. MSC was asked to investigate ways to ensure security breaches are alerted to the control room and action taken using cameras and loudspeakers to deter and identify intruders. The use of Number Plate Recognition to assist the management of commercial users who avoid paying for the waste service
<b>Spelthorne Borough Council</b>	£40,000	The Council had a CCTV system in two parks, which did not prevent anti-social behaviour. MSC were requested to audit the systems and to make recommendations to have the system pro-actively monitored and transmitted in 'real-time'
<b>Newcastle City Council</b>	Confidential	Newcastle City Council have a number of diverse, independent CCTV control rooms and they wish to avail themselves of the opportunities afforded by developing technology, to consolidate these facilities and to reduce running costs and comply with the National CCTV Strategy. They asked MSC to host and facilitate a 'Strategy Day' for Stakeholders to establish requirements and a way forward





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Trowbridge Town Council	Confidential	Wiltshire County was to become a unitary authority and the diverse district council CCTV systems needed to be accommodated and possibly control rooms merged. MSC facilitated a 'Strategy Day' to enable these considerations and the links with the National CCTV Strategy to be made
Cherwell District Council	Confidential	Provide a retained security consultancy service for the provision of all aspects relating to the town centre camera systems and the management and supervision of the CCTV maintenance provider
Bristol City Council	£200,000	Assess requirements for the public safety and traffic monitoring CCTV cameras to be able to control cameras and review images from one joint, central matrix and Graphic User Interface (GUI) control. Evaluate DVR requirements for the regulation of road traffic offences
Salisbury District Council	£30,000	The Council wished to upgrade a number of cameras to transmit images over wireless technology to their existing control room and requested MSC to manage this process
Thames Valley Police	Confidential	Design and create specification document to be rolled out across the force area for a CCTV system for each police station to identify and record visitors to the police stations
West Oxfordshire District Council	£90,000	Assess a number of camera and recording options for two market towns of Chipping Norton and Carterton with a view to have the systems transmit to Witney control room for recording
South Gloucester Council	£85,000	Specify and project manage the installation of the Hanham town centre CCTV system for remote monitoring by a neighbouring authority. Conduct procurement exercise for the installation and maintenance contractor
Bridgend County Borough Council	£740,000	Evaluate existing 12 year old town centre CCTV system and design a solution with a control room relocation, to save revenue costs and to migrate recording system to digital video recorders (DVR's)
Selex-SI (A Finmeccanica Company)	Confidential	Develop a hardware security design with transmission to meet a requirement to protect a number of remote government premises on behalf of the client
DTZ	Confidential	Audit existing security requirements including physical and manned guarding operations at a Retail Park near Bristol
The British Library, London	£1.5 million	Commissioned to determine the detailed environmental and technological design requirements for their new CCTV control and security centre to take account of ergonomic and "human factor" design requirements as set out in various British Standards
West Oxfordshire District Council	£250,000	Design a public safety CCTV camera system for the developers Simons and the District Council for a new Shopping Centre for Witney to include Marks and Spencer, Debenhams, New Look and other retail units, etc. offices, multi-storey car park and residential flats and units
Cherwell District Council	£350,000	Commissioned to design a public safety CCTV camera system for a new town centre expansion to include a supermarket, a cinema, a library, retail units, offices, public parking spaces and residential units in Bicester
Selex-SI (A Finmeccanica Company)	£750,000	Develop a hardware security design with transmission to meet a requirement to protect transport related premises/areas/sites in London
Torbay Council	Confidential	After conducting a thorough examination of all costs and activities associated with the Council's CCTV Control Room, we identified the need to ensure we maximised the use and benefits this Control Room could offer to existing and potential 'in house' clients. We managed and facilitated a 'Strategy Day' for an enhanced Community Control Room as opposed to being CCTV specific
Slough Borough Council	£75,000	Commissioned to advise on the security implications of artwork being permanently displayed in the High Street, together with numerous trees intended to be planted to 'soften' the environment to make it more pedestrian friendly. Recommendations made to deal with camera blind spots being created and improved illumination consequences
West Oxfordshire District Council	£50,000	Due to the redevelopment of a car park, CCTV cameras were required to be re-deployed utilising both COFDM and 'self provide' fibre optic cabling. We were required to procure the new equipment and project manage the implementation through to commissioning
London Borough of Enfield	£175,000	Design, specify and project manage the installation an eight camera system extension to the existing 250 + camera system





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<b>North East Lincolnshire Council and Shoreline Housing Association</b>	£500,000	Development of an 'Overarching Strategy'. The council and other interested parties acted on the initial investigative report by MSC to provide a strategic 'joined' up approach utilising all partners who benefit from the use of CCTV systems. These include traffic enforcement and management, housing association and public safety cameras
<b>Thames Valley Police</b>	£800,000	Conduct feasibility study to consolidate two town centre CCTV control rooms to one location with the consequent savings
<b>St Edmundsbury Borough Council and Forest Heath District Council</b>	£250,000	Compile tender specification and manage installation of the migration of existing neighbouring authority's cameras to the Bury St. Edmunds control room for 24/7 monitoring utilising fibre optic and RS1000d 100Mb BT circuits
<b>BTI (a division of the Government of Barbados)</b>	£2,500,000	Attend Bridgetown Barbados May 2006 and assess potential camera locations to be transmitted by COFDM (Coded Orthogonal Frequency Division Multiplexing) in addition to those designed in January 2003, to deal with the potential public safety issues relating to the Cricket World Cup (CWC) to be staged there in April 2007 and four other remote tourist towns with a similar requirements
<b>Bristol City Council</b>	£140,000	Conduct security review of a council building and make recommendations to utilise security technology to reduce reliance and cost on manned guarding
<b>North East Lincolnshire Council</b>	£50,000	Conduct maintenance procurement procedure for CCTV systems
<b>St Edmundsbury Borough Council</b>	£50,000	Compile specification and project manage CCTV installation in underground car park and create viewable links between other car parks
<b>University of Glamorgan</b>	£75,000	Conduct access control and other security risk assessments of university buildings, make recommendations and implement findings. Utilise the University's IP 'backbone' to transmit CCTV images
<b>Nottingham City Council</b>	£450,000	Numerous crime 'Hotspots' were identified in Nottingham and it was decided to utilise deployable CCTV cameras linked directly to the 24/7 CCTV control centre to reduce the incidence of crime
<b>Dorset County Council</b>	£25,000	Design crime prevention issues relating to fencing, boundaries, layout and CCTV at a Travellers Site; implement recommendations relating to CCTV utilising ADSL transmission
<b>North East Lincolnshire Council</b>	£175,000	The council recognised their extensive CCTV system had grown ad-hoc over the years and with the numerous control rooms that had developed, were not making cost effective use of technology to reduce their costs. MSC were commissioned to evaluate the system and make recommendations
<b>Bristol City Council – Filwood Broadway</b>	£35,000	An existing 6 camera CCTV system had become obsolete and no longer functioned, we evaluated the requirements to bring the system up to date and project managed the installation work
<b>EMI – London</b>	£100,000	Design speed gates, access control and integrated CCTV system, specify requirements and project manage the installation; compile procedural documentation
<b>Avon &amp; Somerset Constabulary</b>	£85,000	Evaluate existing IT infrastructure and design an IP solution to enable images from any of the 850 CCTV cameras from various cities, towns and villages around the two counties to be transmitted to either of two remote police command and control suites
<b>Royal Borough of Windsor and Maidenhead</b>	£35,000	Evaluate and provide costed options for the installation of CCTV cameras and Automatic Number Plate Recognition System (ANPR) for Burnham
<b>Safer Bristol – Bristol City Council – Southville</b>	£126,000	Design and project manage the installation of a 11 camera CCTV system to be transmitted via wireless IP solution to the council's existing CCTV control room
<b>Aylesbury Vale District Council</b>	£350,000	Specify and project manage the installation of a relocated CCTV control room with digital video recorders (DVR's), Graphic User Interfaces (GUI) and rear projection scheme
<b>St Edmundsbury Borough Council</b>	£20,000	Compile specification and project manage a three camera installation to an existing town centre control room
<b>QAS – London</b>	£65,000	Design access control and integrated CCTV system, specify requirements and project manage the installation; compile procedural documentation
<b>East Herts. Council</b>	£450,000	Project Manage the installation of 22 CCTV cameras in three towns with the images transmitted to a neighbouring authority's CCTV control room





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## A Selection of Global MSC Security Projects

Client	Project Value	Detail
University of Glamorgan	£245,000	Designed and procured a new 70 cameras IP based CCTV scheme utilising the existing university's LAN network and ducts, replacing all the obsolete 56 cameras over the four sites. Designed and installed a new space saving control room to enable an efficient command and control system
Safer Bristol – Bristol City Council – @Bristol	£25,000	Evaluate transmission options to link private sector cameras with those managed by the council and to integrate the use of all signals into one control room
Vale of Glamorgan Council	£40,000	Design and project manage the installation of a 3 camera CCTV system to be transmitted via ADSL to TX images to established CCTV control room
The Book Store (TBS) - Colchester	£60,000	Design access control and integrated CCTV system, specify requirements and project manage the installation; compile procedural documentation
Bristol City Council – Cater Road Business Park	£175,000	Design and project manage the installation of a 6 camera CCTV system to be transmitted via microwave to a nearby, established CCTV control room
Corby Borough Council	£350,000	Evaluate existing CCTV system and provide costed options to reduce revenue costs by migration to alternative IP transmission and a digital recording system (71) cameras; recommend costed options to relocate existing CCTV Control Room
Ipswich Borough Council	£350,000	Design, specify, procure and project manage CCTV control room relocation
Thames Valley Police	£150,000	Designed and specified an IP solution to enable images from any of the 1,100 CCTV cameras from various cities, towns and villages around the three counties to be transmitted to either of two remote police command and control suites
St Edmundsbury Borough Council	£450,000	Compile tender specification and project manage upgrade of 60 CCTV camera system in Bury St Edmunds
Bristol City Council	Confidential	Evaluate digital recording system against a performance specification for 200 + cameras
Govt. of Barbados & Thames Valley Police	£670,000	Design, specify new 24 camera CCTV system for Bridgetown Barbados via microwave transmission
Salisbury District Council	£300,000	Provide costed options to move existing CCTV control Room and upgrade to IP transmission and a digital recording system (108) cameras in Salisbury
Aylesbury Vale District Council	£100,000	Specify and project manage the installation of CCTV cameras and Automatic Number Plate Recognition System (ANPR) for Aylesbury
Random House Book Publishers	£120,000	For the RHG London head office, we designed, specified, procured and project managed the installation of an integrated security system for dealing with 16 CCTV cameras, a 30 door access control and an intruder detection system on its own security dedicated IP network
Peterborough City Council	£305,000	Conduct a feasibility study in Peterborough, evaluate existing transmission methods of 135 camera CCTV system propose the conversion of analogue images to digital ones using transmission via IP existing LAN & WAN without additional cost
Cherwell District Council	£40,000	Specify, procure and project manage the installation of deployable (COFDM) CCTV cameras in Banbury
Torbay Council	Confidential	Review existing CCTV system (233 cameras) in Torquay, Brixham and Paignton and make costed recommendations to reduce revenue costs
Sedgemoor District Council	£269,000	Conduct feasibility study to provide costed options for relocation of existing CCTV Control room in Bridgwater
Avon & Somerset Constabulary	Confidential	Recommendation in the siting and use of seven deployable cameras in Bristol
Bristol City Council	£290,000	Successful in Home Office bid, specify and Project Manage installation of self-provide fibre optic cabling and microwave transmission for multi storey and surface car parks (77 cameras)
Oxford County Council	£50,000	Specification and the management of CCTV and remote hydraulic bollard installation
Wiltshire NHS Consortium	Confidential	Audit existing CCTV system to ensure compliance with the Data Protection Act and compile the Codes of Practice and Procedural Manuals





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## A Selection of Global MSC Security Projects

Client	Project Value	Detail
<b>South Bucks District Council</b>	£300,000	Conduct costed CCTV feasibility study and the preparation of the procurement specification and the project management of the phased installation across five towns including Gerrards Cross, Burnham, Farnham Common, Denham, etc.
<b>Business West</b>	£10,000	Specify and Project Manage computer controlled access control system
<b>Dacorum Borough Council</b>	£280,000	Assessment of existing CCTV operation and equipment in Hemel Hempstead, design, procure and project manage installation using microwave and self provide fibre optic cabling (60 cameras)
<b>Cherwell District Council</b>	£650,000	Review of existing 9 year old CCTV system, Project Management of upgrade and installation (49 cameras) in the three towns of Banbury, Bicester and Kidlington
<b>South Oxfordshire District Council</b>	£1,200,000	Conduct costed feasibility study for the installation of CCTV camera systems around Didcot, Henley on Thames, Wallingford and Thame and the transmission of images to a neighbouring authority
<b>Suffolk Coastal District Council</b>	£1,250,000	Conduct feasibility study for three towns and provide costed options to transmit and monitor images at a neighbouring local authority
<b>Vale of Glamorgan Council</b>	£280,000	Compile assessment of existing CCTV system, compile strategy report and procurement specification; project manage installation including the use of microwave transmission (39 cameras)
<b>West Oxfordshire District Council</b>	£340,000	Compiled successful Home Office bid, design, specify and project manage installation of self-provide fibre optic cabling 24 camera CCTV system in Witney

