

CASESTUDY



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**DESIGN, SUPPLY,
INSTALLATION, COMMISSIONING
AND MAINTENANCE OF
CCTV CAMERAS IN THE VICINITY
OF 50 POLICE STATIONS
IN DELHI**





THE CLIENT

With a commitment to serving and protecting the citizens of Delhi, the Delhi Police recognized the need for an advanced and comprehensive surveillance system to ensure the safety and security of the public.

Delhi Police collaborated with MASL and spearheaded the implementation of CCTV cameras across key locations.

Their vision and dedication to enhancing policing capabilities highlight their unwavering commitment to creating a safer environment for all residents and visitors in Delhi.

Unwavering focus on ensuring the safety and well-being of the citizens of Delhi propelled this transformative project forward, solidifying their role as the client and driving force behind this innovative initiative.





THE CHALLENGE

In the dynamic and vibrant city of Delhi, the safety and security of millions are paramount amid rapid urbanization and evolving challenges.

A robust CCTV surveillance system addresses concerns such as crime mapping, traffic monitoring, speeding vehicles, hit-and-run incidents, unnecessary gatherings, effective policing, suspicious activity, monitoring dark or deserted spots, monitoring accident-prone areas, and identifying offenders.

The system ensures comprehensive surveillance, enhancing safety in key areas like traffic, policing, and market locations.



THE SEARCH



The Police department soon realized they needed a Best-in-Breed Solution. A vendor who specializes in Security and surveillance. In the search process for the right vendor, they finalized MASL primarily because it was the best IT infrastructure company with proficiency for esteemed clients in various Industry Verticals.





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SCOPE OF WORK

Survey Design & Approval:

Conducting a comprehensive survey and obtaining necessary approvals.

Site Permissions from Various Agencies:

Securing permissions from relevant authorities for site access and operations.

Logistic Management for Insurance & Warehousing:

Efficiently managing logistics, insurance, and warehousing for smooth operations.

Digging and Restoration of Road Surface:

Excavation and restoration of road surfaces as per project requirements.





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Erection of Poles:

Installing sturdy poles to support the project infrastructure.

Laying of Network and Power Cables:

Professionally laying both network and power cables to ensure seamless connectivity.

Installation & Commissioning of Field Equipment:

Deploying and activating field equipment for optimal functionality.

Maturation & Commissioning at LCS:

Meticulously maturing and commissioning at Local Collection Stations.

Installation & Commissioning at NCS:

Ensuring flawless installation and commissioning at Network Collection Stations.





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THE SOLUTION

The project's solutions encompass cutting-edge technologies, notably a Facial Recognition System (FRS) for identifying individuals wearing masks, detecting concealed items like explosives, and identifying unexpected gatherings during curfew hours.

- The system facilitates immediate action through well-equipped monitoring stations and allows the analysis of past videos after a crime.





- The Network Management System (NMS) applications in the Mobile Control Stations (MCS) enable remote camera access and viewing.
- Utilizing a secure network infrastructure, live feeds from every MCS are transmitted to the Command, Control, Communication, Computing, and Intelligence (C4i) surveillance center at POLICE HEAD QUARTERS for effective interventions.
- MASL's commitment to safety and security extends to a comprehensive range of scalable and sustainable security solutions for Smart City Surveillance and Monitoring, including CCTV Monitoring, Mobile Surveillance System through Network Video Recorder (NVR), Real-time Alert- Based Monitoring, Automatic Vehicle Tracking System (AVTS) through 4G LTE technology, Face Recognition System (FRS), Automatic Number Plate Recognition System (ANPR), GPS- based vehicle tracking system, and post-incident investigation through video analytics.





Enhanced Surveillance Coverage:

- Deployed specialized cameras equipped with license plate and facial recognition technologies across 50 key areas, significantly expanding surveillance capabilities for Delhi Police.

Integrated Control Room Connectivity:

- Established seamless connectivity between Police Station Control Rooms, Local Control Stations (LCS), and Master Control Stations (MCS), ensuring swift data sharing and coordination.





Efficient Video Feed Distribution:

- Implemented a streamlined distribution system where video feeds from individual cameras are shared with respective Police Station Control Rooms, aggregated at Local Control Stations, and further centralized at multiple Master Control Stations.

Centralized Monitoring at Police Headquarters:

- All video feeds from Master Control Stations are ultimately shared with Police Headquarters, providing comprehensive monitoring and oversight of surveillance activities.

Compliance Enforcement:

- Administrators enforced security policies, including passcode policies and network settings, ensuring devices adhered to organizational security standards.

Advanced Video Analytics Implementation:

- Introduced cutting-edge video analytics and management software to enhance the efficiency of monitoring and analysis of camera feeds, enabling quicker and more effective response strategies.

Peripheral Installation for Seamless Connectivity:

- Installed essential peripherals, including cameras, poles, and wiring infrastructure, to ensure robust connectivity between endpoints, Police Stations, LCS, and MCS, facilitating a cohesive and integrated surveillance network.

The implementation of these improvements not only fortified the city's security infrastructure but also enabled more efficient and coordinated responses to potential security threats.





This case study stands as a testament to MASL's pivotal role in transforming surveillance infrastructure. Through the deployment of advanced cameras, robust connectivity solutions, and centralized monitoring, we significantly enhanced security across 50 locations for Delhi Police, ensuring a streamlined and effective response to incidents.





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