

## Bhavnagar gets a third eye with Axis network cameras.

Solution enables remote monitoring and aids manual intelligence while improving operational efficiency.



### Organization:

Bhavnagar

### Location:

Bhavnagar, Gujarat, India

### Industry segment:

City surveillance

### Application:

Remote monitoring, efficient incident response

### Axis partner:

eSec Security Consultants Pvt. Ltd.

### Mission

Bhavnagar in the Saurashtra region of Gujarat is well known for its trade and commerce and the annual Jaganath Rath Yatra, which is the third largest procession in India. This is the fifth largest city in the state with strong industrial base. The growing security concerns during festivals and the need for a city surveillance system was recognized early by the Police of Bhavnagar who were looking for an intelligent solution.

The growing need for efficient monitoring pushed the customer to secure the city with surveillance cameras, and to set up a command and control room from where operators could monitor the city.

The requirements were IP66-rated cameras which could withstand extreme weather conditions and any other external pressure and would last at least 6-7 years. These cameras could ensure better governance, better traffic management and crime prevention and control.

### Solution

The solution provided includes monitoring critical areas of the city, including major entry and exit points, busy junctions and tourists' attraction spots. The idea was to convert the city surveillance project into a safe city project to help the local authorities improve the overall operational efficiency and reduce manual intervention. It was a project based on wireless network with fibre connectivity between the Superintendent of Police (SP) office and the SBI building. A total of 121 cameras have been installed, including AXIS P1354-E, AXIS P1357-E, AXIS M3004-V and AXIS P5635-E Network Cameras. Additionally, there are three servers installed (one directory server and two archive servers) which allows access to visual recordings for up to 30 days.

### Result

The Axis surveillance solution deployed across the city of Bhavnagar have been extremely effective for traffic management in the city and identifying criminals and traffic violators.

**“The implementation is an immense value addition for us to effectively monitor traffic and assist in police investigation. The technology and the cameras used are of very good quality and are not only reliable, but also provide high-definition image quality making surveillance easier.”**

**Dipanker Trivedi, Superintendent of Police of Bhavnagar.**

It has also helped to assist the on-field police in crime tracking, directly from the Command and Control Room and has enabled better governance and civic administration. The Command and Control Room consists of a 3x3 video wall with six displays and two workstations for operators. Also, the access to Command and Control Room is secured via access control devices.

### Process

Primarily, a survey was conducted to find out the critical areas to be covered. Focus was given on a wireless based solution where cameras installed across the city, could transmit the video signal wirelessly. The installation was planned in a way where some cameras were getting directly connected to the SP office while others were getting connected to the SBI bank building (NIlambaug Circle), which is one of the tallest building in Bhavnagar. Mast towers were erected at the SP office & SBI bank building for mounting of AP (Access Point) radios, so that a LOS (Line of sight) can be established between AP (Access Point) radios and CPE (Client Premises Equipment) field radios for facilitating seamless wireless connectivity between them.

### Smart monitoring

Manually managing and controlling traffic on all arterial roads, religious processions and ad-hoc calls for halla-bol, have also posed serious challenges to local policemen and concerned authorities, in the past. The Bhavnagar Safe City project has been able to monitor the city round-the-clock, zoom-in and closely observe suspicious objects and people in real time, and trigger alarms to local authorities whenever required.

### Crime deterrence

The deployment has not only succeeded in securing the residents but additionally helped in improving the city's civic situation and administration. It has had an impact in helping the local authorities solve traffic cases, and helped to combat and resolve cases of violence and stray incidents on a real-time basis in Bhavnagar.

### Better governance

The Axis cameras deployed in Bhavnagar have become a dependable partner in the city's surveillance project. It has holistically been able to provide a solution to safeguard residents, safeguard the city's heritage sites and reduce nuisance and crimes. It has made the authorities more aware and vigilant towards safeguarding citizens and avoiding panic situations.

“We were delighted with the opportunity to provide a complete security solution to Bhavnagar Police and assisting them in providing a real time surveillance system,” added Dhruv Pandya, Director, Esec Security Consultants Pvt. Ltd.

