

SAFE AND SECURE AHMEDABAD



The basic definition of safe city means reducing urban crime such as antisocial behavior, street robberies through a mixture of policing and technology deployment. However safe cities of the future is a holistic approach to metropolitan security. Cities that collect data from hospitals, transport systems, traffic management system, Customer Complain Redressal System (CCRS), public parks, public libraries, all the public places monitored through CCTV cameras constitute the definition of the current day safe city. Safe city also captures other aspects such as the IOT devices in the city like environmental sensors for monitoring present state of the environment, Display boards for flashing informatory messages, parking sensors, for optimized management of the parking. Safe city is all about using computing devices to optimize city's operation to better serve the needs of its citizens it is also about making people's lives comfortable and the city more efficient – and more cost-efficient.

Smart City Ahmedabad Development Limited with its Safe and secure Ahmedabad (SASA) project aims to open a new frontier in serving the citizens. This project aims to improve the living standard of citizens by using cutting edge technologies like IOT sensors, smart LED display boards, free Wi-Fi locations, surveillance cameras with state of the art four storied command and control center forming the nerve center of information and monitoring of the Ahmedabad city .One of the primary objective of SCADL under the Smart City initiative is to enhance the safety and security, improve efficiency of municipal services and promote a better quality of life for residents. Ahmedabad has developed a robust network infrastructure that supports digital applications and ensures network connectivity throughout the city and in government departments.

The system has also integrated its existing standalone services such as E-governance, SCADA, monsoon control center, traffic, solid waste management, GIS system etc. There are total 30000 IOT devices installed in the city which are making lives of citizens of Ahmedabad easier.

Under SASA Project:

- It involves 6000 + cameras, 130 zero tolerance junctions, 25 IOT Environmental sensors, 126 LED displays, 45 Wi-Fi locations
- More than 600 CCTV cameras are deployed at 158 BRTS stations providing live feed at Command and Control Centre for safety and security of passengers.
- Around **6000+ cameras** are installed at 1000+ locations for surveillance, these cameras are than connected to Command control center where the entire monitoring of the city is done. Any misconduct is recorded and help the concerned department to take faster decision.
- **146 VMD's** (Display boards) are installed at the various locations in the city. It keeps the citizens well informed at times of any emergency.
- 1120+ **solid waste management** vehicles which can be tracked through GPS ensures the daily collecting of solid waste from the city which helps in maintaining cleanliness in the city and better health of the citizens. These GPS enabled vehicles can be tracked from

command control center and required action is taken if the waste is not collected from any of the point of interest

- **Environmental sensors** installed in the city will help the government in environmental monitoring which can reduce the health hazards in the city. It will measure light intensity, temperature, water level, air pollution, noise pollution and humidity
- **Comprehensive complaint redressal system (CCRS)** – CCRS is an enterprise solution that allows government to enhance citizen satisfaction through comprehensive service management and efficient service delivery. CCRS automates entire complaint process right from registration to closure. A citizen can lodge complaints through a call center, website or by visiting ward.
- **Smart Parking** sensors installed by AMC will help the citizens to monitor real time data on available and unavailable parking spots in the city. Users will find best spot available, saving time, resources and effort.
- Automatic number plate recognition (ANPR) and Red light violation detection (RLVD) will ensure better traffic control and any violation to same will punish the offenders through its automated E Challan system.
- **Free Wi-Fi** -SCADL has also taken up steps to make connectivity in the city seamless by launching its free public Wi-Fi services on 145 BRTS stations through its dedicated 180 kms long optical fiber cable network. free internet access is available at a speed of 2 MBPS Wi-Fi has further also been extended to 14 other strategic public locations including libraries, hospitals and colleges around the city.



FREE UNLIMITED
JANMITRA WIFI
AVAILABLE ON BRTS STAND



The information made available by the deployed hardware and software to the command control Centre enables informed decisions and actions. The zero tolerance junctions dispatches automatically E Challans through its automatic E Challan system to traffic rules violators, crowd control, criminal acts and riotous situation footages in the city are captured and transmitted automatically to the command control center for initiating rapid action by the security forces . Environmental sensors provide continuous information to be used for initiating actions for the wellbeing of the citizens. In brief the information made available sare harnessed and directed towards evolving policy measures, quick crime detection followed by rapid action with minimum latency, deterrence, safety and increasing comfort levels of the City's citizens, thus making Ahmedabad a safe, comfortable and secure city

This project ensures surveillance at all major public places such as AMTS, BRTS buses, parking areas, public gardens, city markets etc. One of the primary objective of Smart City Ahmedabad Development Limited (SCADL) under the Safe and Secure Ahmedabad (SASA) is to enhance the safety and security, improve efficiency of municipal services and promote a better quality of life for residents. Hence, a robust pan city ICT Infrastructure backbone has been built to ensure high-speed access connectivity



Command Control Centre



Command Control Centre Video wall



Live junctions at CCC



Inauguration of Control center by Hon'ble Chief Minister Vijay Rupani Ji



ANPR cameras



RLVD camera



IR illuminators