

Terrier Business Solution's Smart City offerings?

Smart cities aim to integrate plethora of services leading to efficiency and sustainability which form the backbone of these cities and support future sustainably.

So what exactly is smart city?

Based on the stage of integration in project life-cycle smart cities can be broadly classified into three types:



Environment:

- 1) Smart Water Management
 - a. Automation of water distribution system
 - b. Automate and analyze water levels in the reservoir and the pumping stations can be given a SCADA command where the water will be pumped from only those reservoirs where there is sufficient quantity of water.
 - c. Pump management, maintenance and other equipment failures can be predicted
- 2) Forest Surveillance
 - a. CCTV Based surveillance of forests
 - b. Very high end analytics can be used against poaching, human trafficking, tree cutting, animal movement tracking as well as early warning of animal attack on human settlements can be proposed.
 - c. Specialized forest analytics software.

- d. The power is generally supplied by large solar panels and extra DG if required. The connectivity is completely over wireless. (The same has been done in Kaziranga in Assam)

Energy:

Smart Lighting – Change all lights to LED bulbs. Auto cut-off of the lights and turning-on the lights by Automatics Lux Meters

Transportation:

- 1) Traffic Management – Smart Traffic Management (STM) like
 - a. Red Light Violation Detection
 - b. Wrong Direction Travel
 - c. Traffic Jams in a signal
 - d. Automatic Number Plate Detection
 - e. Accident analysis etc.
- 2) Bus Co-ordination – A GPS based bus arrival system can be installed which gives the ETA of the next bus at the bus stop as well as in public apps. Also the buses can be fitted with CCTV cameras with mobile DVRs wherein on the completion of the trip/day, the data is downloaded into a central server automatically

Governance:

Smart Kiosks – Setup internet enabled kiosks across the city to enable the citizen perform basic tasks like paying bills, information gathering etc. This might sound contradictory to city wide wifi but this helps lots of citizen who would like to visit kiosks.

Social Infrastructure:

- 1) Smart Surveillance – CCTV Cameras in sensitive areas where there would be Visual as well as audio surveillance. Any pitch or decibel level which exceeds a certain level or matches with a pre-recorded sound will be captured with the relevant Video. This is apart from the regular Video Analytics like crowd gathering, people tracking, people running etc.
- 2) Social Media Analytics – The social media traffic emanating out of a certain area will be tracked for few catch words. If suddenly there is a spurt in the usage of these words over a certain period of time, then the same can be passed over to the law enforcing agencies
- 3) Variable message displays – Variable message displays with the latest in traffic, weather, law situations, emergencies etc. can be put up in the entire Smart City. Also promotion of any kind can be carried out in those displays itself

Terrier's CARE proposition | Intelligent Integrated solution

