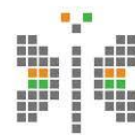


Smart City Kota



SMART CITIES CHALLENGE – KOTA

FEEDBACK INFRA (P) LTD



Smart City
MISSION TRANSFORM-NATION

Citizen Feedback & Public Outreach

Engagement Platforms



Facebook

Facebook.com/SmartCityKota

350,000+
Total Reach

Citizen Feedback

~15,000



Public Outreach



MyGov.in

1300+



Smartcitykota.com

15,000+



Public Places



Talk Shows
/ Discussions

50,000*



Surveys

50,000
Survey Forms



Citizen Polls



SMS Blast



Whatsapp

15,000+
Polls



Contests

~25,000
Entries



Radio

20 days campaign
3 lakh+ listeners



Newspaper Articles

160+ articles
2 lakh readers



Newspaper Ads
10 days of
advertisements
6 lakh + circulation



20 Hoardings



Posters /
Pamphlets
45,000+

1.2 + Lakh
SMS /
Whatsapp

**thousands of people reached through Dussehra Mela, Town Hall, City Mall Events*

Convenient, Hassle-free lifestyle + better standard of living

To provide a **High Quality of Life**,
through **creation of inclusive social and economic opportunities**,
enabled by **infrastructure and governance**

*Well-planned & Seamless
Smart Infrastructure +
Efficient E-governance*

*Education, Healthcare
+ Investments + Jobs*



Focus Areas

Focus Areas



SOLID WASTE
MANAGEMENT



SEWERAGE &
DRAINAGE



PUBLIC
TRANSPORT



TRAFFIC &
PARKING



E-GOVERNANCE

Aspirational Projects



AIRPORT



CENTRES OF EXCELLENCE

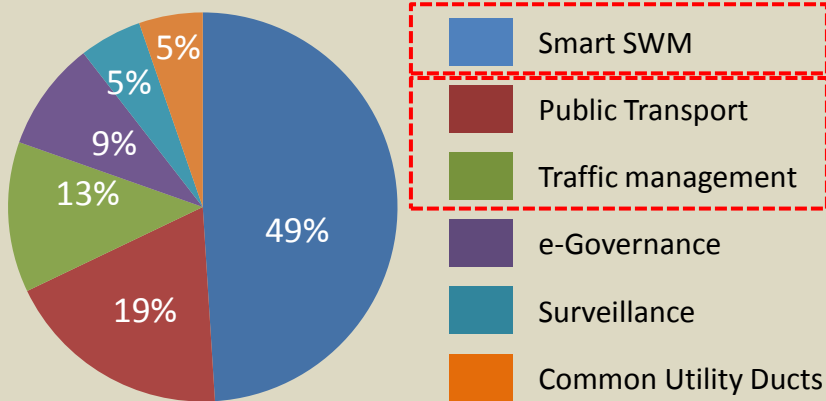


CHAMBAL
RIVERFRONT

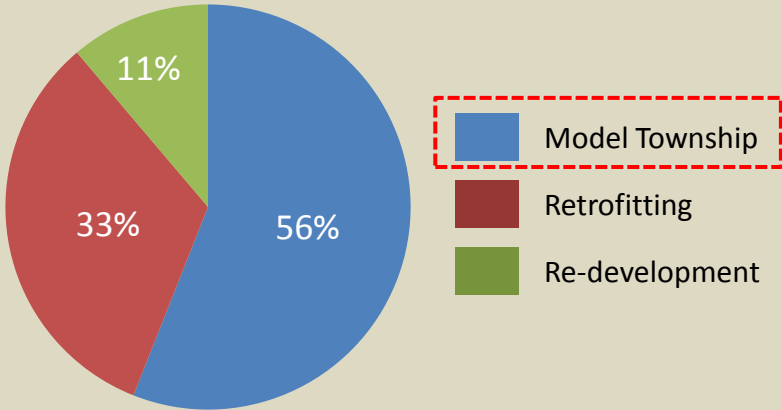


IT / SOFTWARE PARKS

Pan-City Solutions



Area Development Solutions



Pan-City Solutions

Smart Waste Management

Green Waste Reprocessor	Bar Code – Household Dustbins
Smart Community Bins	GPS tracking - Collection Vehicles
IEC Campaign	Waste Segregation Machines
W2E Composting Plant	Door to Door Collection
Segregation at Source	



Smart Corridors

Smart Bus Shelters	Buses - GPS tracking, Vulnerable citizens friendly
Traffic rule enforcement system	Area Traffic Control System (ATCS)
Smart LED Lighting	Smart Parking – spot detection
Surveillance Cameras / Wi-Fi Hotspots	Variable Message Signs (VMS)
Smart Crossings	NMT – Cycle Tracks, Footpaths

ICT Backbone



Mobile App

- Grievance Redressal
- Utility tracking/payments
- Geo-tagged pics



City Website



Control & Command Center



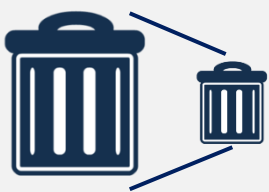
OFC Ducts

Pan-City Solution – Waste Management



Smart Bins

Ensure Collection
Vehicle Scheduling

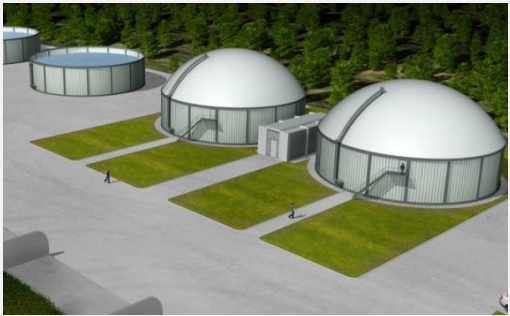


Collection Centers

Tracking
Waste segregation
Compression

Waste utilization

Recycling
Composting
Bio-Energy



Pan-City Solution – Smart Corridors - Traffic



Area Traffic Control Systems (ATCS)

- Traffic density monitoring
- Variable timing traffic signals
- Traffic rules enforcement



Control Center



Public Display Boards

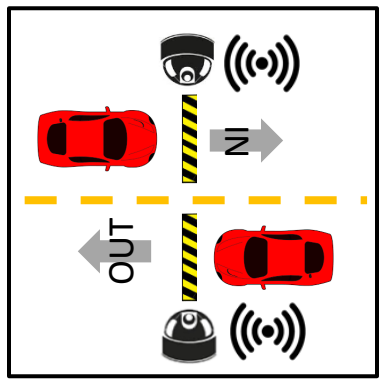
- Traffic updates
- Parking availability
- Bus timings
- Public announcements
- Weather, pollution



Website/ Mobile App

- Parking space Availability
- Traffic Updates
- Bus timings

Parking Sensors



- No Parking zones
- Dedicated Parking areas
- Multi-level Car Parking

Smart Safety & Traffic Mgt



High resolution cameras

License plate recognition

Video and data analytics

Integrate with other systems

Identify and alert traffic
violations

Support police and
investigation agencies

Pan-City Solution – Smart Corridors – Smart Lighting

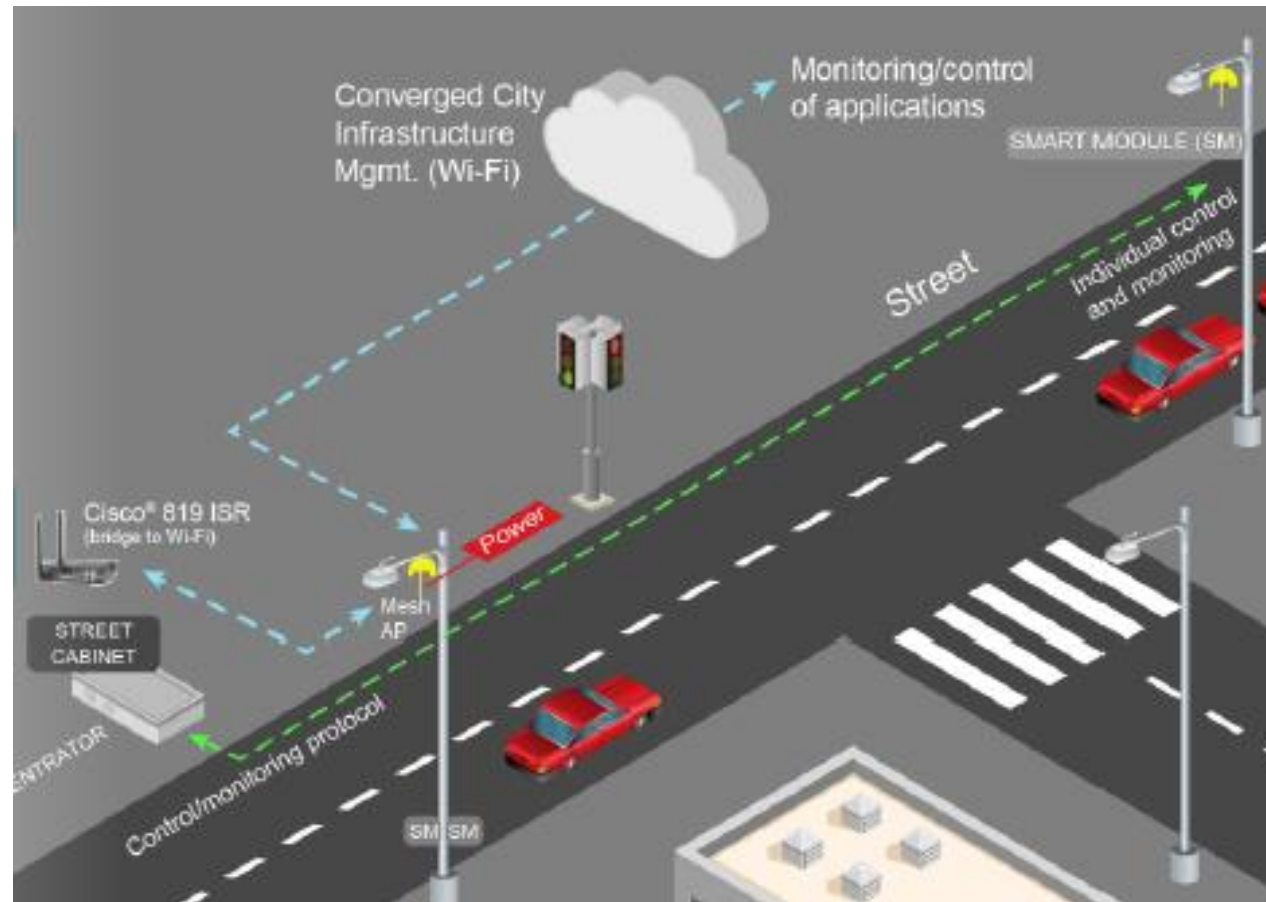
Installation of smart devices on light pole provides

- Continuous power for wireless APs, video cameras, etc

- Improved monitoring and control

BENEFITS

- Greater control of street-light pole
- Enhanced maintenance
- Lower deployment costs



Pan-City Solution – Control and Command Center (CCC)



COMMAND AND CONTROL CENTRE
Nodal point for surveillance, information storage,
data analysis etc.



- Provides an **integrated control center** to manage your disparate security systems
- Enables a **single graphical user interface** and helps manage compliance with customized response plans
- Facilitates nonproprietary, open architecture for **enhanced security** and helps reduce costs through centralized operations

KEY COMPONENTS

EMERGENCY CALL CENTRE (ECC)

Will handle all incoming and outgoing public trunk calls in wake of emergency

DISPATCHING CENTRE (DC)

Will timely and efficiently dispatch, monitor and support operational resources

STRATEGIC OPERATIONS & MONITORING SUITE (SOMS)

Will proactively and intelligently monitor the public spaces and will include:

- Video Management System - includes Video-Based Incident Detection system
- Video Wall Management System - display video streams on the video wall
- Automatic Number Plate Recognition (ANPR) Control System to archive / retrieve / recognize license plates

CCTV CONTROL

CCTV Control will operate as a receiving and recording point for CCTV images

CRISIS MANAGEMENT CENTRE (CMC)

CMC will plan and manage all the pre-planned and spontaneous major events through a defined escalation process to contain and manage a situation or an event

Apps for Enhancing Service Delivery

CITY ADMINISTRATION APP

Property / Professional Tax

Birth / Death / Marriage Registration

Public Transport Timings

Safety (Women's Safety)

Location Tracking – Nearest Civic Centers,
Parking, Recreational Places

Fee Payments – Parking, Traffic Violation

Applications – Water, Sewer, etc

Complaints / Feedback

COMPONENTS



- **App for all** administrative services offered by KNN and its subsidiaries
- **Integration with other apps**
- **Payment Gateway** for Mobile based Payments
- Important **Government Notifications**
- **Safety features & alarms** to alert Police

OPTIMAL MODALITY INFORMATION SYSTEMS



Integration of Multi-Modal Transport Solutions (Public Transport, Taxis, Autos) to empower commuters

Bus Arrival Times

CCTV Access to Traffic

Find nearby attractions

Journey Planner & Booking

Capture & Report – Road Defects

Real Time Parking Availability

Area Development Solution

KNOWLEDGE
CITY

Area - 400 acres

EDUCATION

SKILL

R&D

INNOVATION

ECONOMY

INTEGRATED

Core Components

Education District

(colleges, coaching institutes)

Skill District

(Skill Development, Training centers)

Economic District

(Grade-B Commercial Spaces, Software Parks)

Innovation District

(Centres of Excellence, Shared R&D facilities)

Non - Core Components

Residential District

(plots, high / medium / low rise)

Commercial District

(Malls, Community Market, Hospitality)

Administrative District

(Mini-Secretariat, police station)

Central Park / Expansion Space

(Entertainment, Recreation, Natural Trail)

Area Based Development – Components

1

PHYSICAL NETWORKS

- Power, Sewerage, Water, Drainage, Gas, OFC
- 24X7 water, sewerage, power supply
- High speed internet
- Common Utility Ducts
- Smart meters for utilities
- STP, WTP

2

GREEN SOLUTIONS

- Rooftop Solar Panels
- Smart LED lighting
- Green Buildings
 - LEED Gold/Silver rated
 - IGBC green township
- Mandatory rain water harvesting systems
- Waste Water Recycling

3

TRANSPORT

- NMT: Cycling Tracks, cycling shelters, pedestrian facilities
- E-Buses (with GPS tracking) every 5 minutes
- Walkable common multi level parking zones

4

INCLUSIVE SOCIETY

- EWS units: 15% of housing demand
- Senior Citizens / Vulnerable Citizens – Special facilities in buildings, transport etc.

5

WASTE MANAGEMENT

- Door to door collection
- Segregation at source
- Waste recycling
- Waste processing plant

6

PUBLIC SERVICES

- Single helpline, platform for issue redressal
- Smart Card for payments
- Central Library Facility
- Tele-medicine facility

OTHER KEY INITIATIVES

Control & Command Center
Data Center

100% CCTV Surveillance

Wi-Fi enabled
educational campus