

VII. INTEGRATED COMMAND & CONTROL CENTRE – KAKINADA

CONTEXT

According to the 2011 census of India, Kakinada had population of 312,538. The city is a part of the Visakhapatnam-Kakinada PCPIR (Petroleum Chemicals and Petrochemical Investment Region), which would be the largest petrochemical hub of the region. Kakinada has a 10,000 acre SEZ and is also a part of Visakhapatnam-Chennai Industrial Corridor (VCIC). Hence, Kakinada is well positioned to develop as an economic hub in the region. To achieve its vision of becoming “an Economically Vibrant City” Kakinada aims to leverage the potential offered by smart development concepts and use of ICT based smart solutions.

THE INTERVENTION

Project description

Kakinada Smart City is in the process of implementation of a Command and Control Centre; the project envisages creating an IT backbone for integrating many civic services. This will improve the accessibility of services and government to citizens. It will also enhance ability of the government to respond fast, by leveraging good quality data and information.

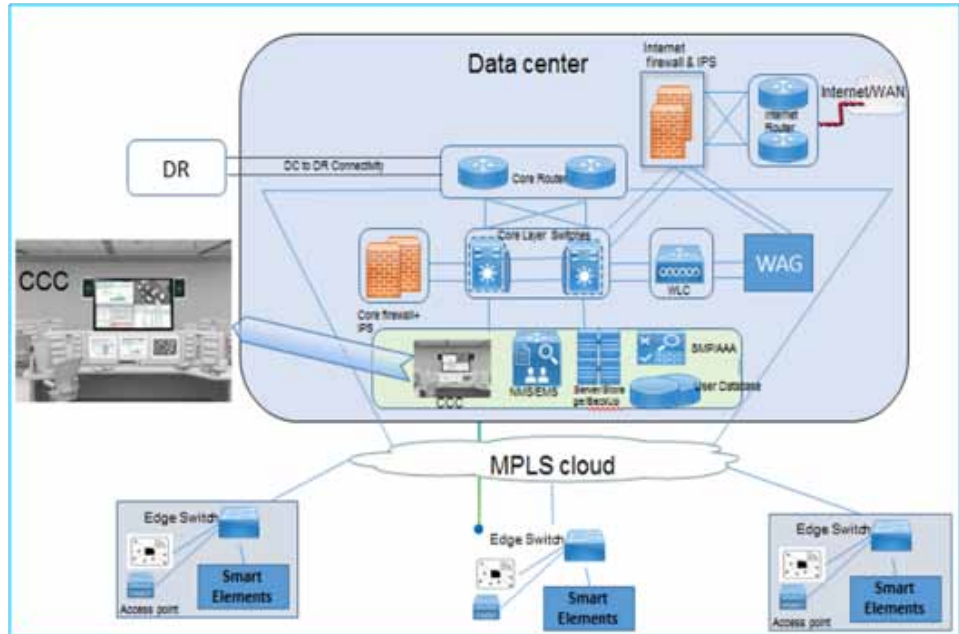
The key features of the initiative are:

- Integration of GIS, ERP & Smart Elements over the IoT platform; this component has already been undertaken
- Fiber connectivity & SIM based connectivity
- Disaster Management with sensors & Public Address system
- Smart Poles along with environment sensor, PA system & Wi-Fi etc.
- Single Window Access control
- Improved business agility and responsiveness
- High Security measures

Through implementation of the initiative, the following civic infrastructure will be integrated under a single command and control system:

- Integration of ERP to the Command Control Centre
- City Surveillance System
- City-wide Wi-Fi Connectivity
- Environmental Sensors; Smart devices, sensors and infrastructure installations

- Smart Parking – 2 closed parking spots with around 98 open parking spaces
- Smart Traffic
- ICT enabled Solid Waste Management System
- Smart Pole/ Smart Lighting – 640 lights & 12 Gateways



Command and Control Centre Architecture for Kakinada