



Ceinsys Smart City Solutions

Description

Smart City comprises of Urban Planning, Efficient Service Delivery, Smart Governance, Energy Management and conservation of resources for the well-being of the people. Generating specialized forms through GIS uses spatial data to collect, analyze, manipulate, retrieve and present geo-data. Today, digital societies are largely dependent on electronic information that GIS can only provide. Technology Solution is used in surveying, engineering and plans the logistics for the collection, processing and management of the data hence, organizing and automating cities.

Smart Infrastructure

The major component of smart infrastructure is to provide basic facilities like transportation, lighting, Wi-Fi, etc. in sustainable way. Smart transportation is used to promote an efficient use of public transport such as bus, Metro and Mono rail, etc. Smart Transport comprises of Smart Automobile, Smart infrastructure, intelligent transport system (Traffic & Parking) and sustainable fuels. The main aim of smart lighting is to save energy, lower costs, reduce maintenance, while better serving citizens and reducing energy use and CO2 emissions.

Offerings

- Smart Infrastructure
- Solid waste management in SMART City
- Command and control System
- Public Applications (Mobile & WEB)



Command and control System

The main objective of Command and Control System is to establish a collaborative framework where input from different functional departments such as transport, water, fire, police, meteorology, e-governance, etc. can be assimilated and analyzed on a single platform consequently, resulting in aggregated city level information. Further this aggregate city level information can be converted to actionable intelligence, which would be propagated to relevant stakeholders and citizens. Integrated Command and Control Centre should be in a way that it can operate both in normal (Day to day city management) as well as operational situations during Emergency Situation (Disaster Management).

Public Applications (Mobile & WEB)

Building successful smart cities requires collaboration between engaged citizens, governments and a range of private organizations. As a result, connectivity and engagement are considered to be the backbone of smart cities initiatives. In a citizen-centric approach, decisions and services are designed, keeping the users on priority in mind. Therefore, when developing a smart city solution, the best approach is to first define key citizen segments, understand their needs and challenges and design solutions based on these needs. Smart communications solutions are efficient, relevant, engaging and add value through inter-connectivity. Mobile apps are a great way to make IoT-powered smart cities even smarter. The goal of smart apps is to engage citizens and communicate important information in an efficient way. For instance, smart apps can provide citizens access to traffic alerts, fault reports, police incidents, news stories and new smart city initiatives such as smart waste management and smart parking.



Solid waste management in SMART City

The smart city concept refers to a new paradigm for urban planning and management. Based on advance use of technology, it aims at accomplishing better cities. These cities are more likely to have an integrated viewpoint which includes social, economic and environmental aspects. Of the different smart service delivery areas, solid waste management is also one of the key service areas for making a city smart.

Solid waste management (SWM) is a great concern for public health and environment of rural as well as urban parts of smart cities. Now-a-days solid waste management has become a major problem due to increase economic activities and rapid urbanization. We face many issues and difficulties associated with weakly managed solid waste operations.

Solid Waste Management System is the collecting, treating, and disposing of solid material that is discarded because it has served its purpose or is no longer useful. Improper disposal of municipal solid waste can create unsanitary conditions, and these conditions in turn can lead to pollution of the environment and to outbreaks of vector-borne disease—that is, diseases spread by rodents and insect.



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