Automatic Vehicle Location System

Challenge

The challenge is to enable Police to respond to citizen complaints quickly using a GIS Solution that provides cost effective and accurate methods to identify patrol vehicles in the vicinity of incident and dispatch the nearest petrol vehicle

Solution

Automatic Vehicle Location System (AVLS) merges Global Positioning System (GPS), wireless, and Internet technologies to locate and manage the Patrol Vehicles from Police Control Center.

AVLS application provides interface to connect with DIAL 100 System, which provides the vital information like Caller Id, Incident Location, Incident Information. AVLS identifies patrol vehicles that are nearest to incident location, dispatches the Patrol Vehicle to incident location and suggests the shortest route to the dispatched Patrol Vehicle.

Also, the system provides information about the nearest Police station, Hospitals, Ambulance Services. AVLS is used as decision-making tool to analyze Crime Density, Proximity Mapping and Spatial Modeling.

Benefits

➢ Tracking all Patrol vehicles
➢ Quick Dispatch of Patrol Vehicles to Incident Locations
➢ Co-ordinate with Police, Fire, Ambulance, Hospitals in emergency situations
➢ Crime Reduction
➢ Improved Efficiency of Police Department
➢ Geo Spatial Analysis Tools to identify Crime Patterns
➢ VIP Security
➢ Text Message Facility from Control Center to Patrol Vehicles and vice-versa