



## ROAD ASSET MANAGEMENT SYSTEM





## Vithi

The aim is to provide a structured approach to roads maintenance and development to enable authorities to operate, maintain and restore their 'Road assets' to meet key performance requirements.

This valuable asset, ideally needs to be monitored and managed, and therefore requires asset management systems which are GIS based, to properly manage the asset information. When these are integrated to a common base, we have an integrated road asset management system.

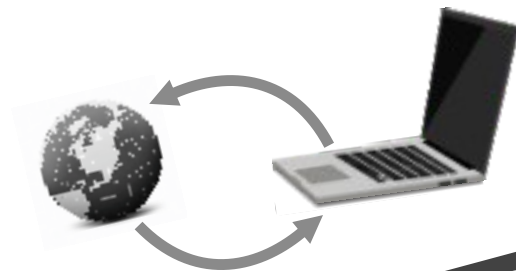


## Key Features

- Establish a complete inventory of all road network with all its elements
- Provide a clear picture of the current condition/performance of the road network
- Estimate the value of the asset
- Predict future demand of traffic and service needs
- Estimate maintenance needs and costs
- Prioritise objectives related to the desired quality and performance of the road network
- Set up funding scenarios for the regular and timely maintenance and upgrade of the road asset
- Define a strategy (RAM Plan)
- Implement the RAM Plan

## System Requirement

Any System connected to internet and running Internet Explorer or Google Chrome.





# Modules

## DATA COLLECTION

- Inventory
- Condition
- Costs
- Traffic
- Users
- Real Time Data Eg. GPS data



## DATA STORAGE

- Relational Database
- Big Data
- GIS referencing Data



## DATA MANAGEMENT

- Dashboard Analysis
- Data Aggregations
- Data Transformation
- Data Analytics
- Various Filters & Sub Filters
- Extract data to excel and other formats



## DATA ANALYSIS

- Hadoop
- Big Data
- Elastic Search
- HDM-4 Interfacing



## REPORTING

- Long term and short term plan
- Statistics
- Statistics using google and d3 charts
- Downloadable Report in different formats





# About us

---

VisionRI, an ISO 9001:2015 certified consulting firm, is a mission to contribute in the sustainable development of society by playing the role of catalyst in the process of generation and dissemination of knowledge; and providing specialized multidisciplinary consulting services.

We provide specialized consulting services under four marque, i.e. Economic and Planning Advisory, Design and Engineering Advisory, Social Development and Management Advisory, and Environment and Natural Resources Management Advisory with a focus on markets such as Energy, Transport, Urban Development, Natural Resources Management, Public Health and Digital Development.



## VisionRI Connexion Services Private Limited

SCO 179, Sector 7, Sonapat, National Capital Region, Haryana-131001, India

Phone: +91-7027739813, 14, 15, +91-7206444012

E-mail: [business@visionri.com](mailto:business@visionri.com)

[www.visionri.com](http://www.visionri.com)

---