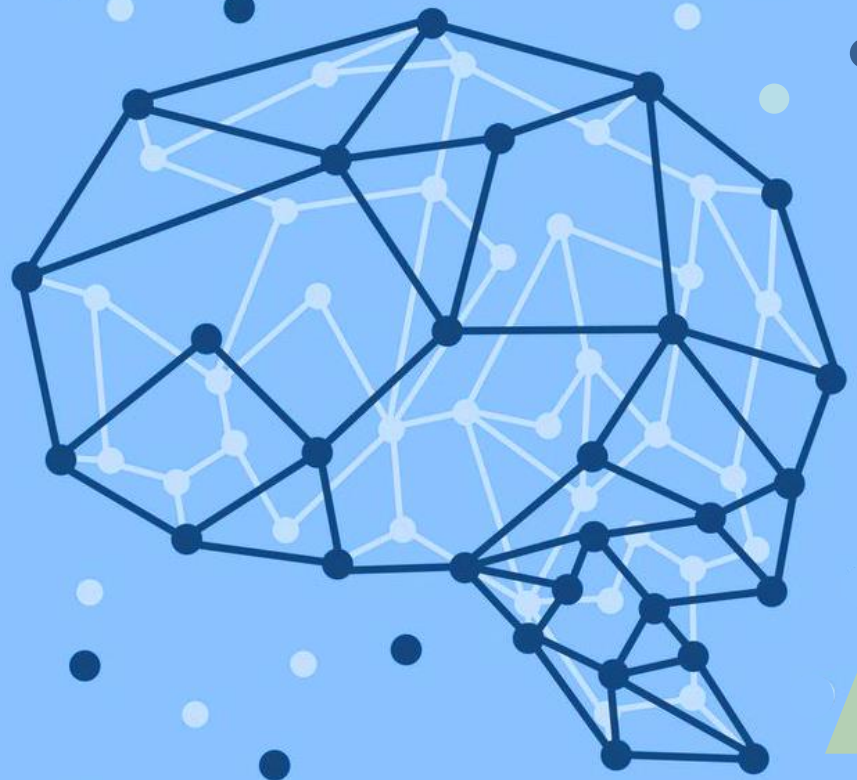
AI Solutions

SRIT-chosen OEM Product

Traversing New Frontier
on the Crest of Technology



SRIT

SRIT India | www.sritindia.com

Established in 1999 | CMMi Level 5
ISO 20000-1:2018 | ISO 27001:2015
ISO 9001:2015 | ISO 14001:2015

Overview

Our OEM disruptive technology based product and solution provider for enterprises in Public and Private Sector. We are committed to deliver quality products and solutions in stipulated time line

200+Resources
3+ statewide Project Implementations Exclusive Research and Development Team

4 Product Developments Strong Capabilities in Enterprise Application Developments, Artificial Intelligence, Computer vision and GIS

Unmatched blend of experienced young minds with sufficient representation in the area of legacy and disruptive technologies, domain expertise and strategic decision making and time bound quality delivery

Mission: Harness technology and provide total solutions for the betterment of business and humanity by ensuring user satisfaction and delight.

Vision: To touch lives, drive business, build relationships and ensure technological advancement of generations.

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AI Solutions

Smart Garbage Management System

Chosen OEM Product

Single- Unified Web and Mobile Platform for the Waste Management Monitoring in the State of Kerala

Service Subscription

More than **40Lakhs** customers

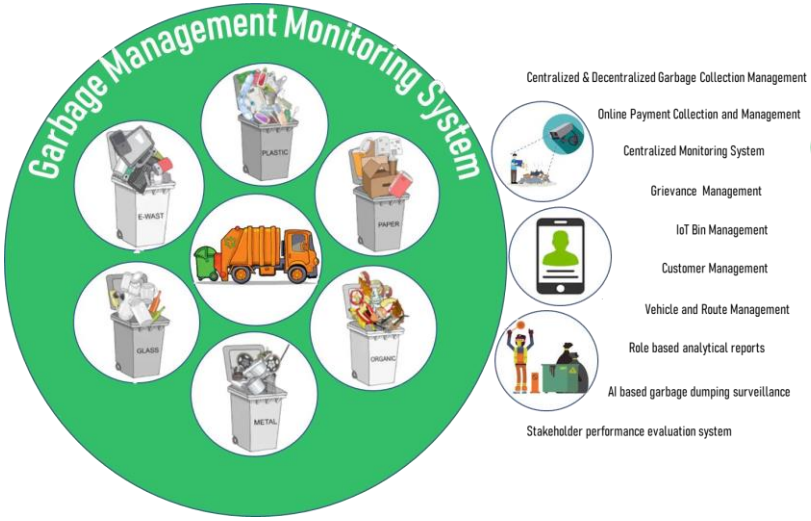
More than **5 Cr** Monthly Payment Collection

Sales sourcing- quotation and approval
Customer & supplier workflows
Configurable billing cycles Configurable pricing structures Customer/ subcontractor portal

Real time Fleet Visibility Route Optimization
Safety check and Guided navigation;
Exception handling Proof of service and Driver debrief

Dynamic scheduling
Digital route sheets
Weighing, Smart Bin IoT Integrations
Inventory Management
Grading Application

Batch invoicing Multiple billing options
Multi-term billing Payment predictor
Reconciliation and Reports



Centralized & Decentralized Garbage Collection Management
Online Payment Collection and Management
Centralized Monitoring System
Grievance Management
IoT Bin Management
Customer Management
Vehicle and Route Management
Role based analytical reports
AI based garbage dumping surveillance
Stakeholder performance evaluation system

Material Transfer planning Material sales slot management Distributor process management Outbound Logistics compliance Order management

Analyze and identify inefficiencies
Operational insights ROI and Profitability analysis
Interactive Drilldown Reports
Role based Dashboards

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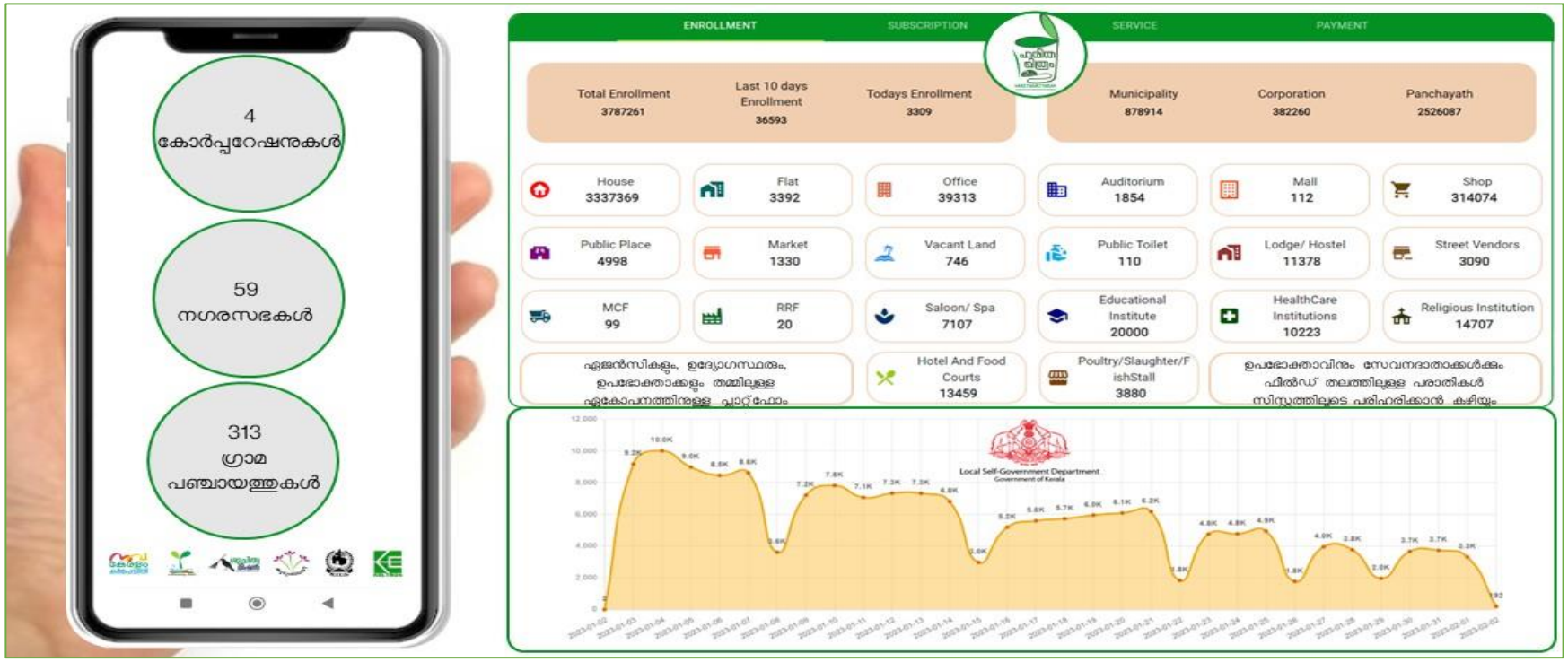
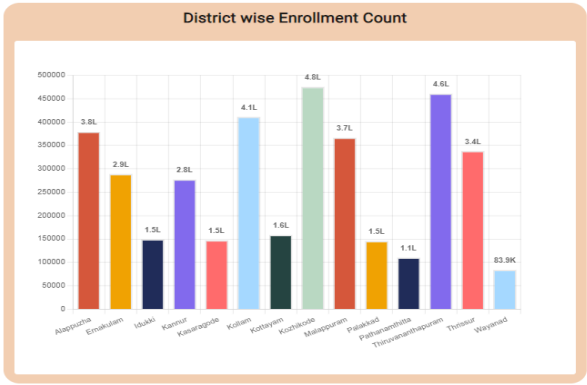
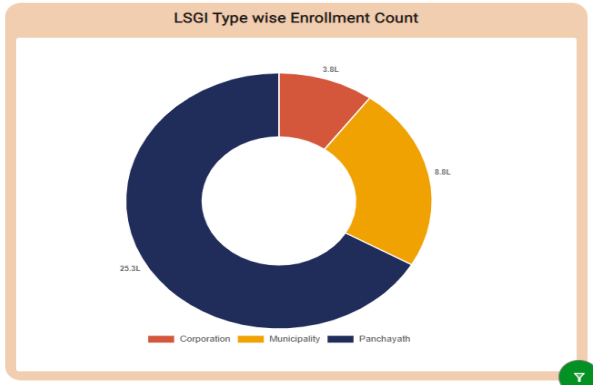
AI Solutions

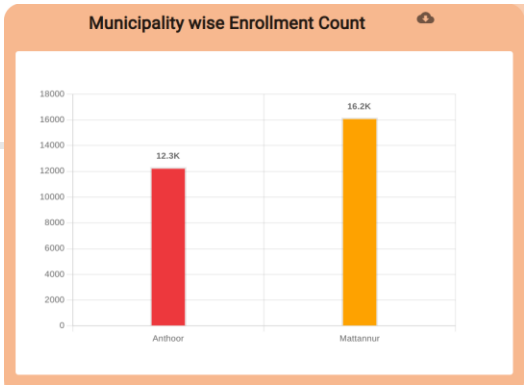
Smart Garbage Management System

SRIT
Chosen OEM Product









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AI Solutions

Smart Garbage Management System

SRIT
Chosen OEM Product

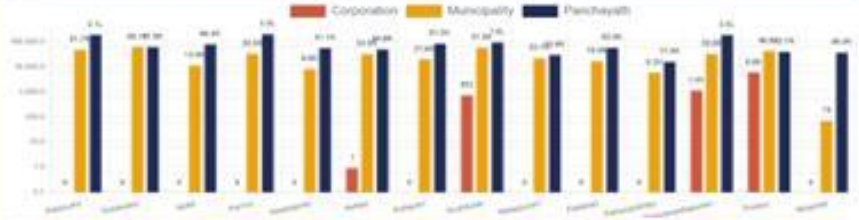
Total Subscription	Last 10 days Subscriptions	Todays Subscription
2215511	186440	979

Municipality	Corporation	Panchayath
509061	64554	1641896

House 2021240	Flat 1016	Office 13271
Public Place 1075	Market 479	Vacant Land 18
MCF 16	RRF 6	Saloon/ Spa 2654
Auditorium 553	Mall 53	Shop 141765
Public Toilet 27	Lodge/ Hostel 4486	Street Vendors 979
Educational Institute 9266	HealthCare Institutions 4861	Religious Institution 4947
Hotel And Food Courts 7319	Poultry/Slaughter/FishStall 1480	

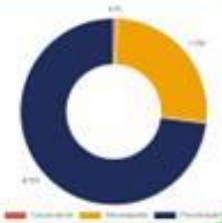
Total Service	Last 10 days Service	Todays Service
1727329	363416	2870

Municipality	Corporation	Panchayath
426523	8618	1292188



Total Payment	Last 10 days Payment	Todays Payment
64710671	13327766	197721

Municipality	Corporation	Panchayath
17058516	370223	47281932



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AI Solutions

AI Enabled Surveillance System

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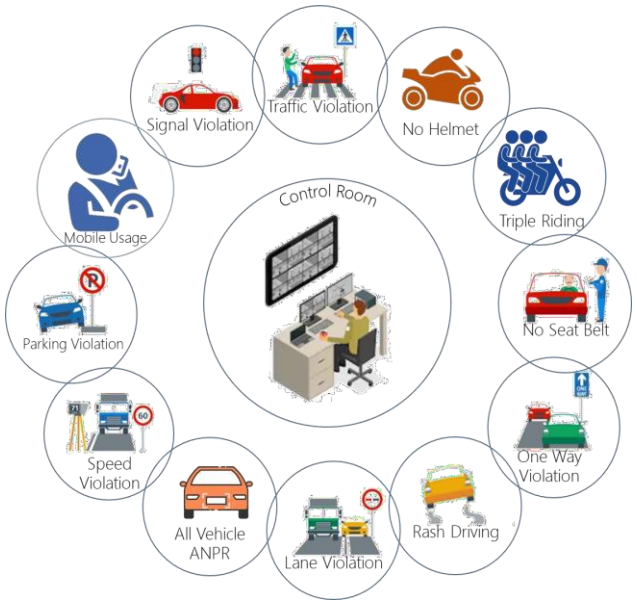
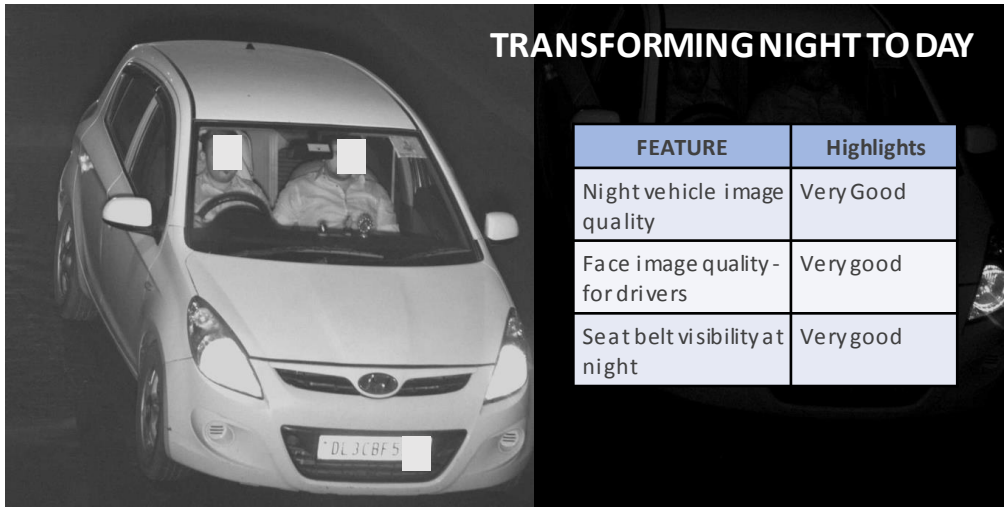
Chosen OEM Product



1200 + AI-ANPR License Supply

More than **1.5 Lakh** Vehicle Violation Detection (Speed. Helmet, Triple Riding , Seat Belt etc)

- Vehicle Classification
- Vehicle Counting
- Driving without Helmet
- Driving without seat belt
- Use of Mobile Phones while driving Triple riding on two wheelers
- Automatic Number Plate Recognition (ANPR) Illegal and non-standard number plates
- Lane change Violation Wrong Entry Violation Face Recognition
- Gait Recognition
- Capable of capturing License plates for AI- ANPR up to 200 Km/ hr even in pitch darkness



AI- ANPR Camera System

FEATURE	Highlights
Image Sensor Technology	Global Shutter
ANPR accuracy at night	>95% for standard/ near standard plates
Infrared flash power	Average power < 20 W, but >300W peak power
Number of AI-ANPR cameras	Single camera for 3 lanes
Vehicle detection rate	Almost all vehicles
Power	Works in Solar Power and mains
Data Connectivity	4G/ 5G/ Fibre Connectivity
Edge AI based detection	All Violations detection , ANPR will work from single camera / Edge AI Device

Global Electronic Shutter sensor High power- pulsed IR flash for night operation 2,5,8,12 Mega pixel, SONY Pregius sensor Triggered capture and flash synchronization
Night dual infrared capture High quality Retro & non retro plates capture

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AI Enabled Parking Management System: ParkSmart

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AI Enabled Parking Management System

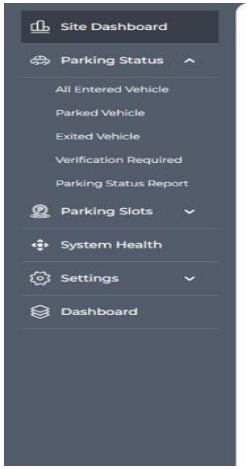
SRIT-chosen OEM Product

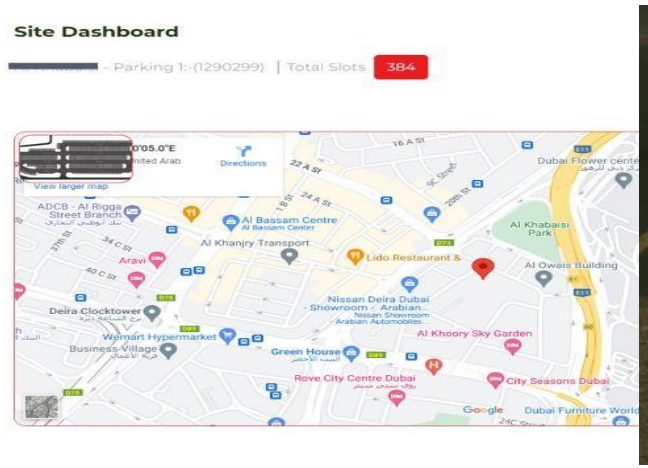
System Overview

Parking Lot and Slots Management
Computer Vision based Vehicle and direction Detection
Entry and Exit ANPR with Date and Time
Parking Status Display
Single or multi-space parking Management
Pre-paid or paid parking Management Online Payments
Wallet Payment
Reports and Dashboards

Benefits

Entry and Exit ANPR based duration Payment Calculation.
Detect lost/stolen vehicle.
the vehicle entering in the parking area is paid or unpaid.
Tracks entry of undesired vehicles in protected parking zones.
Tracks the unauthorised parking in the reserved Parking Slots
Unauthorised Multi slot occupancy detection
Blocked Parking Detection





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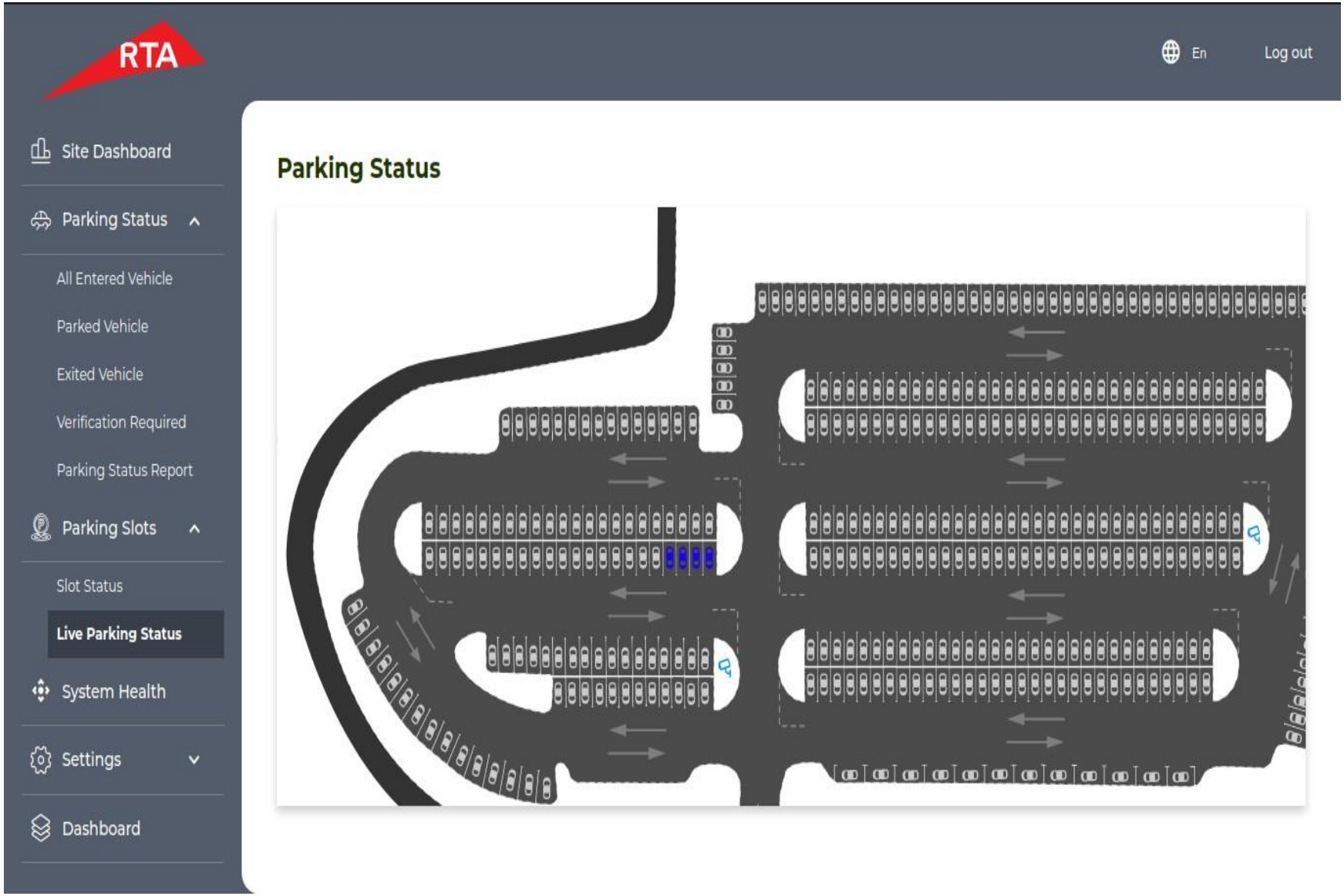
AI Enabled Parking Management System



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AI Enabled Parking Management System - Dubai

RTA

Site Dashboard

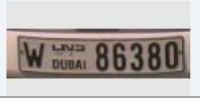
Parking Status

- All Entered Vehicle
- Parked Vehicle
- Exited Vehicle
- Verification Required
- Parking Status Report

Parking Slots

All Entered Vehicle

Al Khabaisi | From Date 2/28/2023, 11:22:30 AM | To Date 2/28/2023, 12:22:30 PM | Plate Number (Eg:M969 | Search | Download Report

Plate Source	Plate Code & Number	Entry Time	Entry Licence Plate	
Sharjah	52846	2023-02-28 10:52 AM		Verification
Dubai	W86380	2023-02-28 10:51 AM		Verification

RTA

Site Dashboard

Parking Status

- All Entered Vehicle
- Parked Vehicle
- Exited Vehicle
- Verification Required
- Parking Status Report

Parking Slots

All Exited Vehicle

Al Khabaisi | From Date 2/28/2023, 11:23:23 AM | To Date 2/28/2023, 12:23:23 PM | Plate Number (Eg:M969 | Search | Download Report

Plate Source	Plate Code & Number	Exit Time	Exit Licence Plate	
Dubai	O70718	2023-02-28 10:53 AM		Verification
Sharjah	52846	2023-02-28 10:52 AM		Verification

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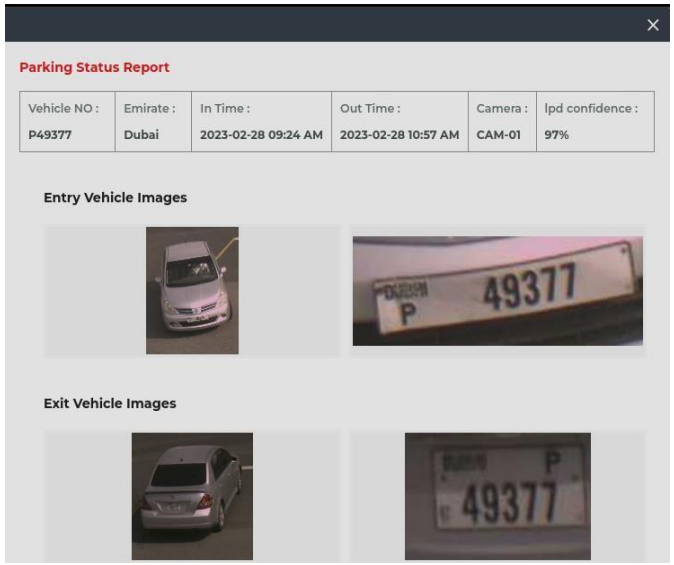
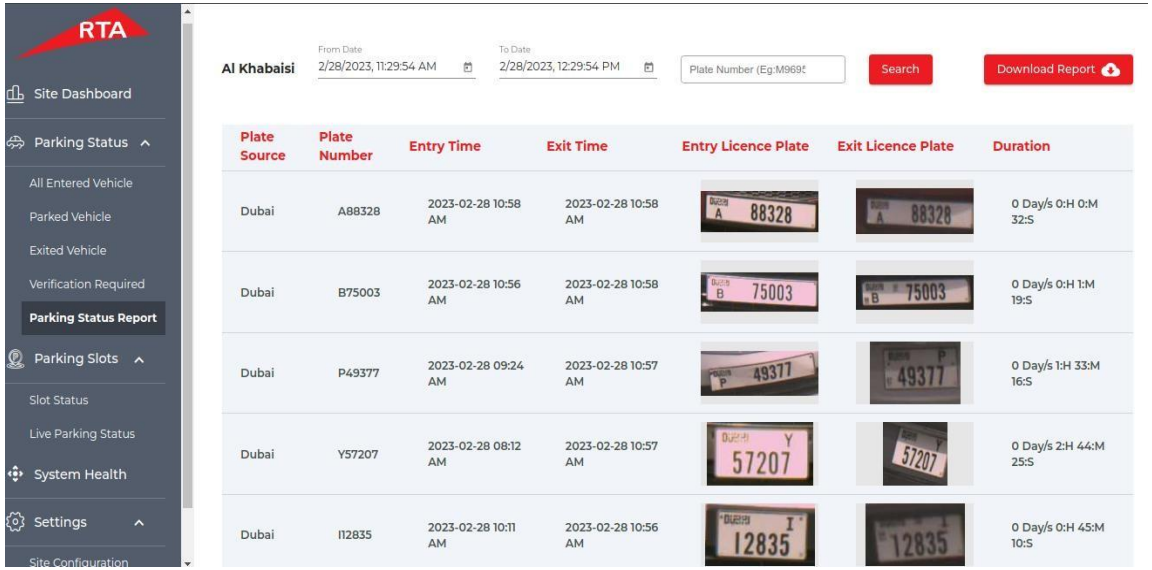
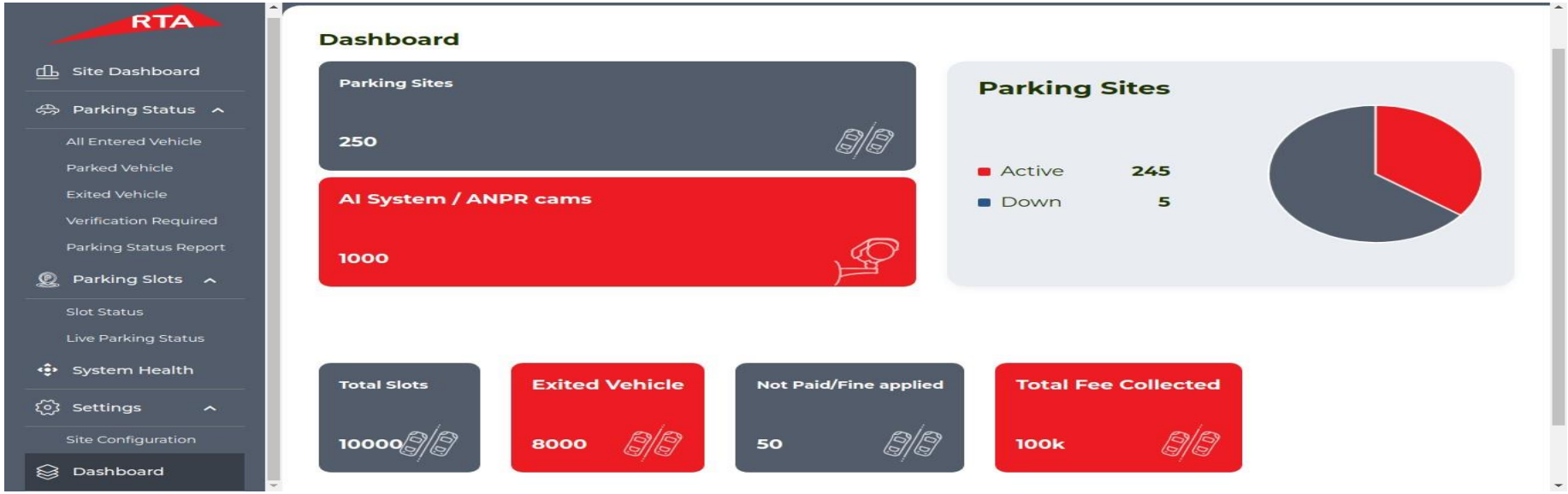
AI Enabled Parking Management System







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AI Solutions

Geospatial & Telecom

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Chosen OEM Product

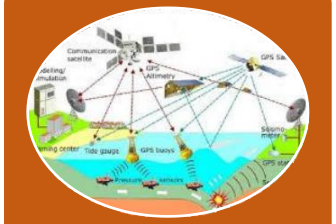
Domains

- Telecommunication
- E-Governance
- Telecom
- Utility
- Smart City
- Transportation
- Land Administration

Specialties

SRIT-chosen OEM Product

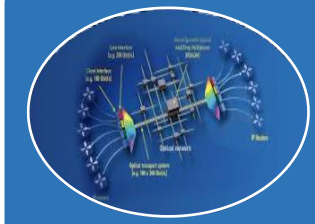
- Survey – GPS/DGPS/TS/UAV
- GIS DB Design, Creation , Conversion & Mgt
- Geospatial Analysis & Geo Processing
- Geospatial Solution & Mobile App Development
- GIS Consulting & Training



Survey

GPON/FTTH Design & IT/NON IT component Design

Mobil& Web Application for Construction Support As-Built & Data Migration



Development Deployment of other Systems - PMS, NMS, FMS

Operation Maintenance & Support

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AI Solutions

Fiber Network Implementations

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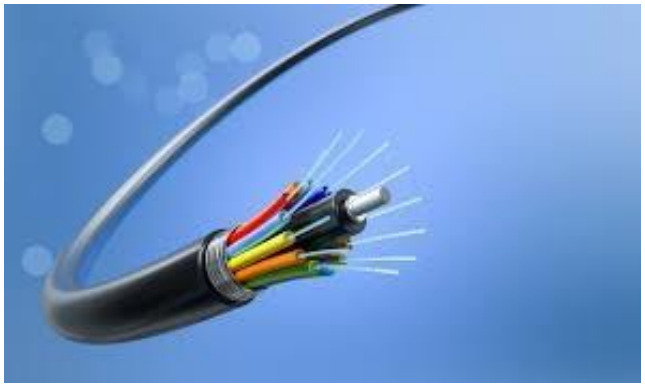
Survey
8 Lakh Electric Poles
300000 + End offices 350
+ POPs
50000+ km Route

Network Design
GIS Enabled GPON Design
Backbone & Access Network
Splice Plan
Bill of Quantity Generation



As-Built Creation As-Built Data Acquisition ABD Drawing Preparation As-Built BOQ Preparation

Telecom Data Model As-Built to Data Model Fiber Network

Network Devices
Connectivity Config

Web & Mob Apps
Construction Mob App Web Portal for Managers
Construction Status Reports
Material Consumption Reports O & M Mob & Web App

Integrations
Project Management System
Network Management System
Fiber Monitoring System
Fiber cut Monitoring

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AI Solutions

Fiber Optic Network Design

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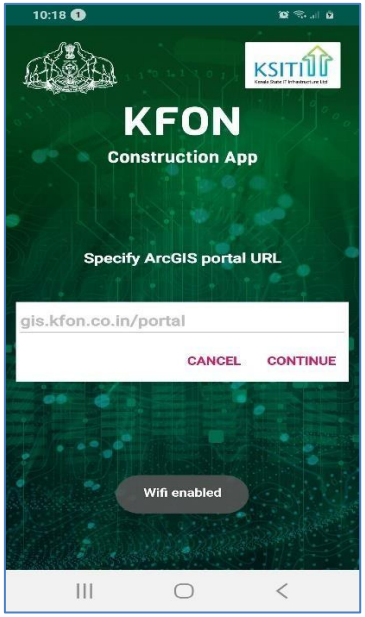

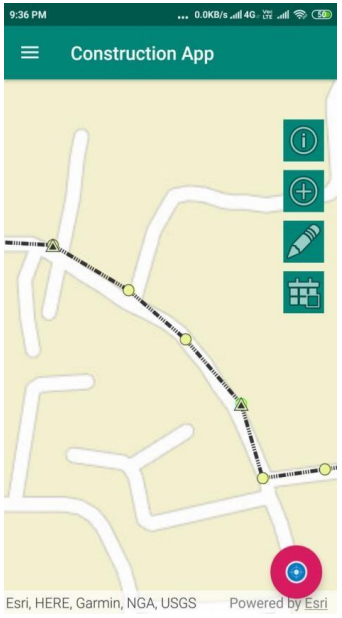

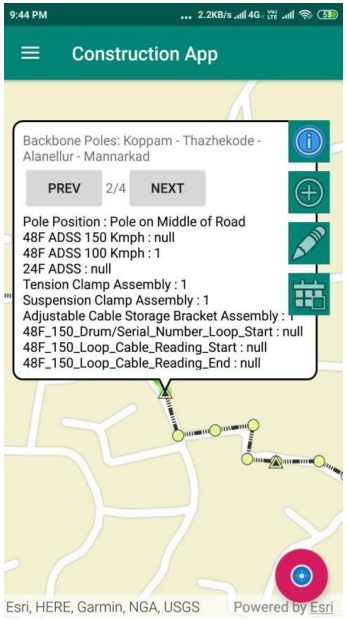

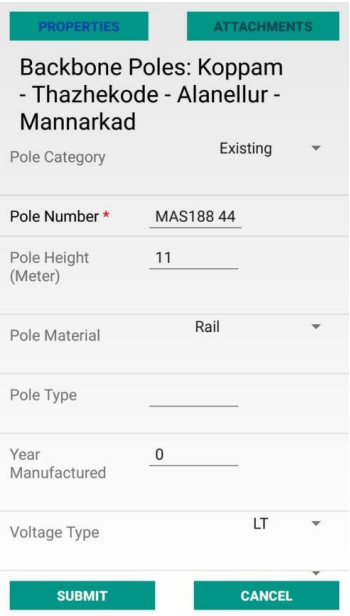

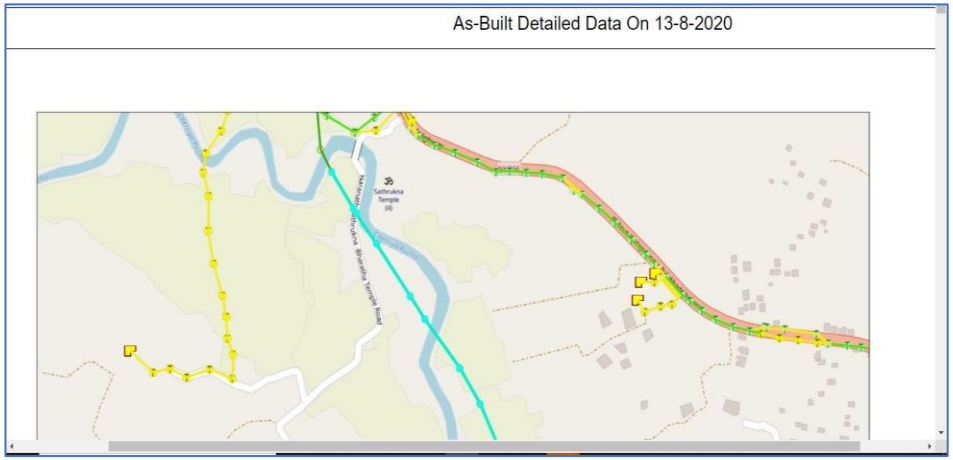

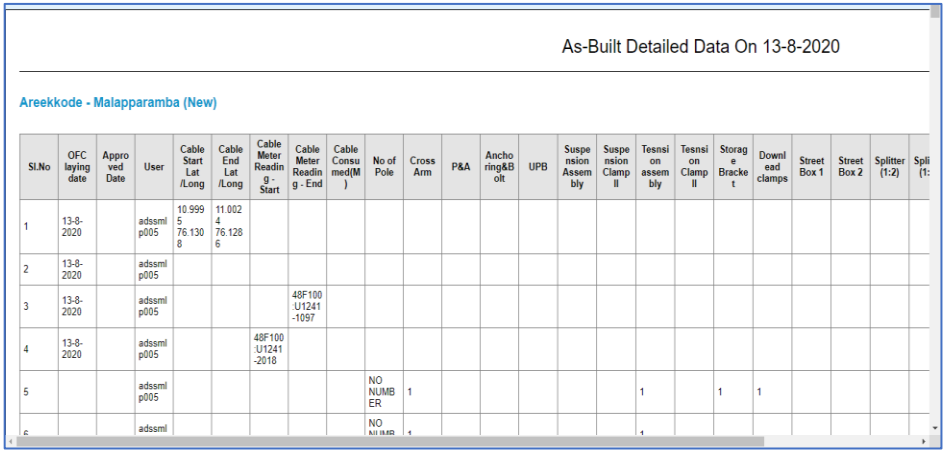

Sl.No	OFC laying date	Approved Date	User	Cable Start Lat /Long	Cable End Lat /Long	Cable Meter Reading - Start	Cable Meter Reading - End	Cable Consumed(M)	No of Pole	Cross Arm	P&A	Anchoring&Bolt	UPB	Suspension Assembly	Suspension Clamp II	Tesnsion assembly	Tesnsion Clamp II	Storage Bracket	Downlead clamps	Street Box 1	Street Box 2	Splitter (1:2)	Spli (1:
1	13-8-2020		adssmlp005	10.9995 76.1308	11.0024 76.1286																		
2	13-8-2020		adssmlp005																				
3	13-8-2020		adssmlp005				48F100 :U1241 -1097																
4	13-8-2020		adssmlp005			48F100 :U1241 -2018																	
5			adssmlp005						NO NUMBER	1						1		1	1				
6			adssml						NO NUMB	1						1							

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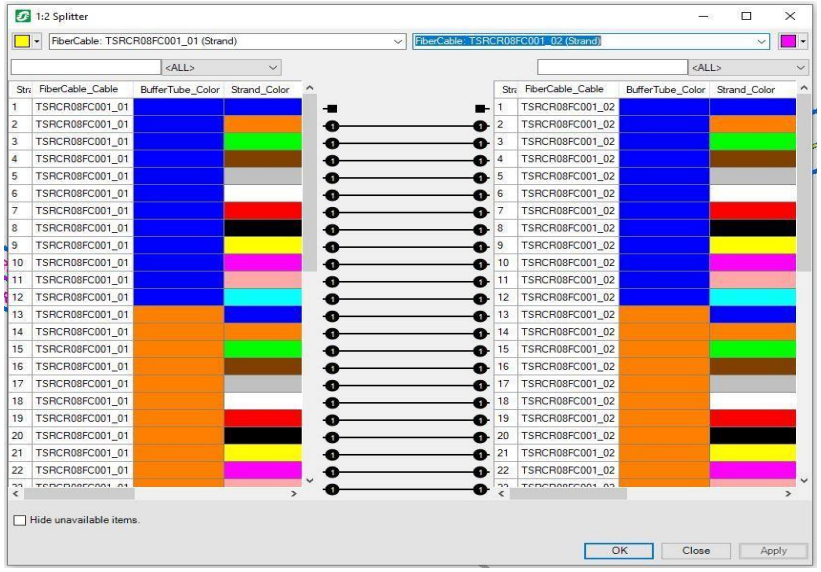
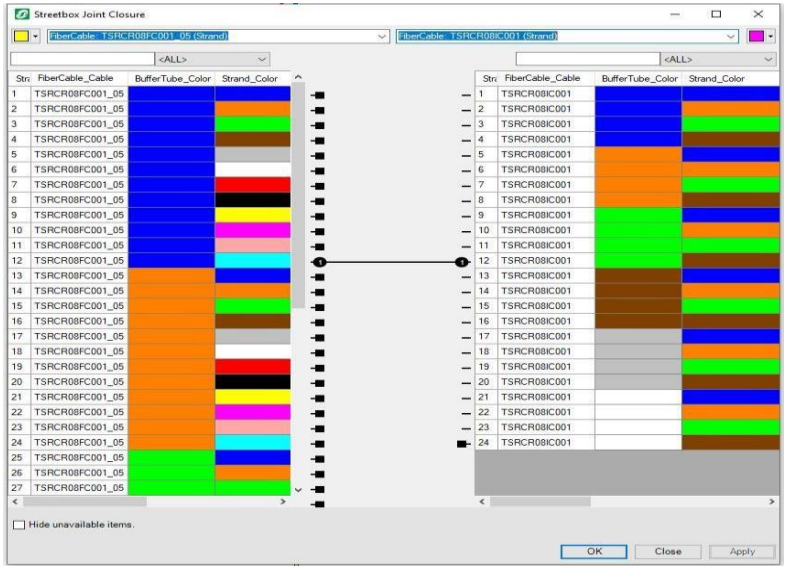
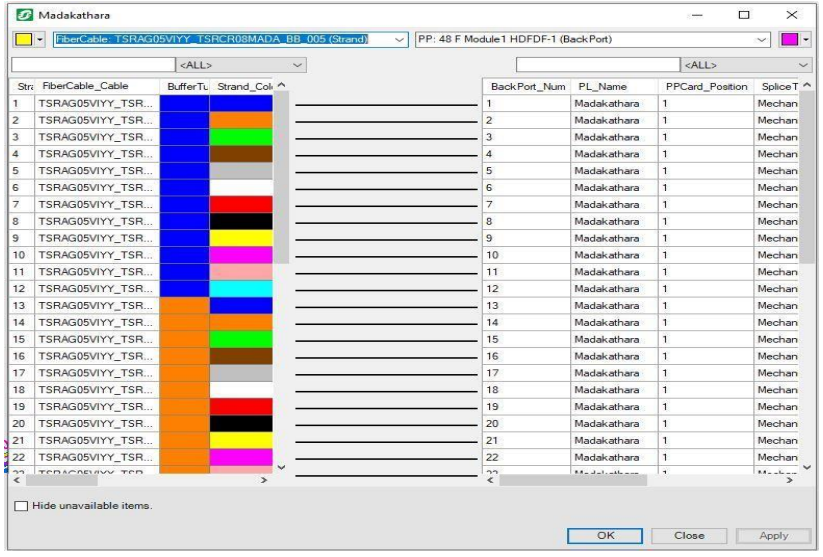
Telecom Data Model







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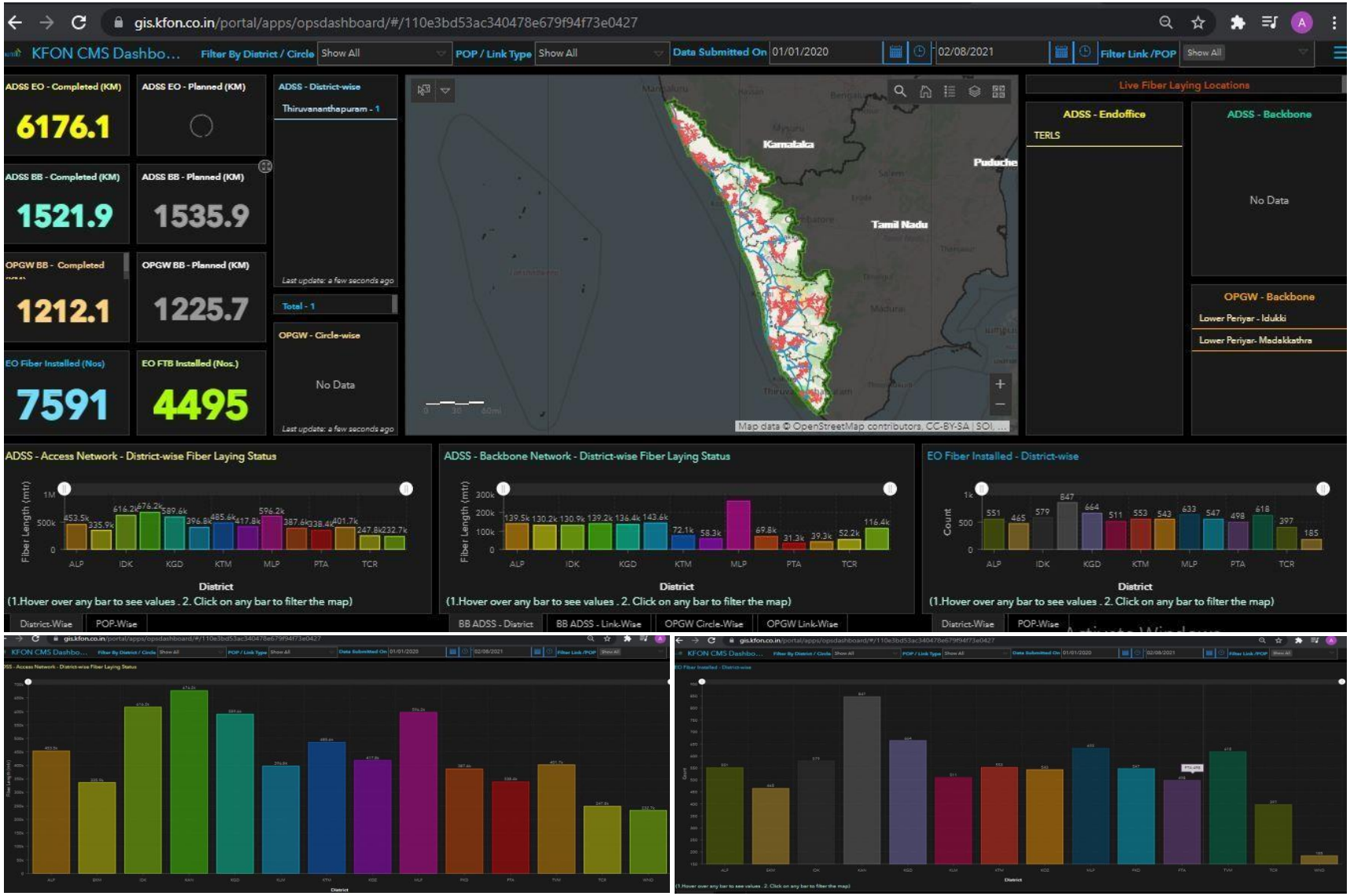
Operational Dashboard for Fiber Network Management



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