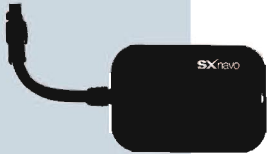




**SXnavo 201**  
Ideal for City Bus  
Services/ Bus Fleets



**SXnavo 202**  
Ideal for  
Bus / Truck Fleet



**SXnavo 203**  
Ideal for Truck Fleets



**SXnavo 204**  
Ideal for Truck Fleets /  
Industrial assets



**SXnavo 401**  
Ideal for  
Vehicle Tracking



**SXnavo 402**  
Ideal for  
Vehicle Tracking

Navigation Display	Wifi / Bluetooth
Keypad for communication	Thermal Printer
Tamper Proof	Smart Card Reader
IP Standards	RFID Reader
Theft Control	Battery Backup
Turn by Turn Navigation	Biometric Scanner
Camera	Immobilizer
Data Storage	2 Way Voice Communication
Fuel Status Monitor	Pulse Analyzer
Load Sensors	Breath Analyzer
Ignition Sensors	Retina Analyzer
Humidity Sensors	OTP Based Tracking
Temperature Sensors	CAN Bus Support
Panic Alarm & Siren	Remote Tracking

\*Features are model specific.



Cargo Monitoring



Solid Waste Management



Water Tanker Fleet



Trucking Management



Assets Monitoring



Urban Transport Tracking



School and Public Transport



Cold Chain Trucking



Radio Taxi and Car Rentals

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# SXnavo

## Intelligent Transport and Vehicle Tracking System



## PLUG IN TO THE FUTURE OF VEHICLE TELEMATICS

- Urban & Inter-Urban Transport
- Passenger Cars and Taxis
- Truck Fleet Management
- Solutions for Railways
- Heavy Vehicles Management
- Solution for Motorbike



## SXnavo Intelligent Transport Systems

- ☐ Fuel efficiency - Improve revenue per mile driven (personal trips, routing, and scheduling)
- ☐ Managing Hours - Reduce stoppages and idling, increase customer time
- ☐ Increasing Safety - Monitor driving, over-speeding, acceleration, turning
- ☐ Fleet Utilization - Improve efficiency of the fleet, manage your assets better
- ☐ Detect Zone violations - Reduce penalties and cost overruns
- ☐ Get alerts and exceptions - Manage driver behavior, reducing chances of accidents
- ☐ Monitor break-downs - Improve efficiency in managing customer services
- ☐ Divert traffic - In case of exigencies

## Actionable realtime Informatics on the portal

- ☐ Vehicle daily report
- ☐ Live vehicle status
- ☐ Real time tracking on the map
- ☐ Vehicle - wise stoppage report
- ☐ Route draw of a historic trip
- ☐ Distance report
- ☐ Speed report
- ☐ Over speeding instances report

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## SXnavo's Actionable Management Tools you will find handy

- ☐ Easy Access to Important Vehicle Information
- ☐ SXnavo's easy-to-use interface allows you to view the most important information about your fleet with one glance.

## Realtime Access To

- ☐ A bird's eye view of the vehicle's current location
- ☐ ETA for that vehicle to arrive at an address or landmark
- ☐ All stops made by that vehicle for the day
- ☐ The vehicle's assigned route for the day
- ☐ Vehicle statistics, including total drive time, stop time and idle time for the day, fuel and airconditioning measures
- ☐ Geofencing and Landmarks
- ☐ SXnavo can set a radius and be notified when vehicles enter or exit that area with the geofencing tool.
- ☐ SXnavo is also able to create landmarks for customer locations, employee addresses and any other frequently visited addresses.

## Automatic Fare Collection System

SXnavo allows our customers to obtain their revenue fare collection in a quick, efficient and secure way, with full financial transparency. With the Intelligent Payment Solution providing a low cost of processing transactions while still providing a highly secure and auditable business system, financial controllers will have peace of mind regarding the integrity of their financial data.

## Transport Scheduling and Anti Bus Bunching Solutions

SXnavo uses satellite technology and advanced computer modeling to track vehicles on their routes. SXnavo can estimate vehicle arrivals with a high degree of accuracy. This estimate is updated constantly.

## Route Optimization and Route Planning

- ☐ Strategic Delivery Planning: Optimize and build new services, sales /distribution territories and replenishment strategies that maximize customer service and profit.
- ☐ Daily & Multi-day Route Planning: Basic and advanced features to accelerate your ability to continuously create optimal reliable routes using fewer trucks, miles and drivers.

## Passenger Information Solutions

Passenger Information is the passenger information delivering of real-time information to people who are planning their travel, waiting for an arriving vehicle or already onboard. Accurate and reliable passenger information is critical to increasing mass transport ridership and has a positive economic effect on a city by reducing lost productivity and personal time.

SXnavo provides real-time passenger information via internet (using computers or smart phones) and mobile phones which allows people to access the predicted arrival time of the transit vehicle at their stop. This information is also provided via displays at public places and bus stops. These displays can also provide information about service, weather or other matters of public interest. Open data interfaces allow this information to be mixed with a storeowner's display or other systems.

## In-Vehicle Infotainment

- ☐ Passenger information displayed in real time for arrivals and destination
- ☐ Scheduled messages or service bulletins for disruptions, TA alerts
- ☐ Location-based or static advertising with proof-of-play logging
- ☐ Content creation and management software for administration
- ☐ Scheduling functions for content distribution
- ☐ Master LCD enclosures with integrated media players designed for rugged conditions



## MODULES IN THE WATER TANKER FLEET MANAGEMENT SYSTEM IN CHENNAI

**SXnavo** – A complete GPS based vehicle tracking solution with route creation, 'bread crumbs' history playback, stoppage management and utility management. Theft proof GPS based VTU (Vehicle Tracking Units) installed into the dashboards of the vehicles. Live tracking, tracking data, related reports are sent to the control room in real time through GSM and GPRS. FMS (Fleet monitoring system) provides Real Time Movement Visibility of the vehicles on maps, with Vehicle registration number, Color coded vehicle status, Current location, Ignition status, Date and time, Current speed, Stoppage time, and Fuel level.

**CIVIQ** – A citizen oriented grievance management system with sound logic of escalating complaints and getting resolution with follow-up was implemented. Citizens are allowed to send complaints by SMS providing locations of unattended bins, so that the management can send instant instructions to the vehicles nearby to dispose the waste from those bins.

**BIRT MIS** – Report generation with graphical representation with charts for trend analysis and data statistics. Detailed trip reports giving distance traveled, reports on excess speed, excess idle time, alerts – over speed, excess stoppage time and other management reports are generated.

**ORTS** – SMS and mobile application based management of water tankers to monitor filling of water tankers, route selection and travelling, catering water to different location in the city and reporting back to the filling stations and at the end submit comprehensive report of duty slip for the day.

## CLEAN CITY - REALTIME WASTE COLLECTION MONITORING SYSTEM IN MANGALORE

- ☐ Contact centre for call management
- ☐ Mobile solutions for real-time communication between office based and mobile teams including missed bins, round itineraries, vehicle checks and work management
- ☐ Domestic collections including rounds management, bin management, missed bins, bins-not-presented, contaminated bins, etc
- ☐ Special/bulky collections including scheduling, vehicle capacity
- ☐ Bin deliveries and asset management
- ☐ Vehicle asset recording and safety checking
- ☐ Dashboard reporting including both operational and performance reports