

FLEET MANAGEMENT





Sense of Wheels

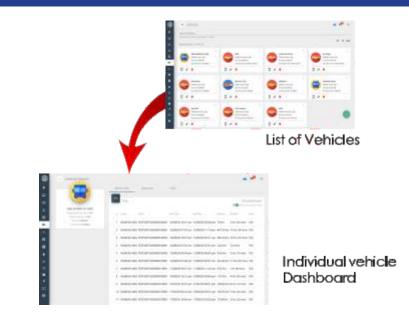
Sense of Wheels is a provider of Asset as well as remote asset tracking and tracing systems. We offer a wide range of complete solutions which include Fleet Management, Anti Theft Fuel System, Fuel Pump Automation System, Automatic Tank Measurement which can be readily deployed in varied industries ranging from Manufacturing, Construction, Heavy Earth Moving Machinery, Logistics, School Transportation, Mining Industries. Our focus is on solving our customers pain points and understanding their needs and providing a customized solution.



Features

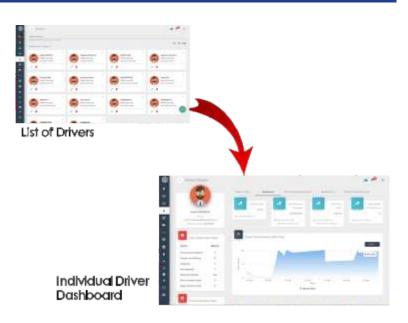
Vehicle Management

- Manage Vehicle Attributes
- Manage Documents
- Access Vehicle Location
- Vehicle Statistics & Trends
- Maintenance Management
- Vehicle Master
- Historic Route Playback
- Vehicle Categorization



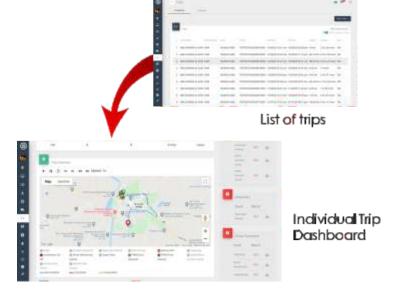
Driver Management

- Driver ID & Profile
- Manage Driver Documents
- Trips Recording
- Driver Behavior Statistics
- Driver Performance
- Driver License Expiration Reminder



Trip Management

- Access Completed & Ongoing Trips
- Trip Playback on Maps
- Time Allotment
- Trip Expense
- Event Recording
 - Over Speeding
 - Breakdown
- Trip Status
 - Distance
 - Start & Stop
 - Average Speed



Features

Geo Fencing

- Polygon Marking
- Route Planning
- Route Optimization

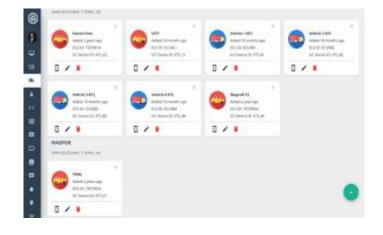


Fleet Maintenance

- Service Timeline
- Service Reminder
- Tyre Run out Reminder
- Engine Oil & Filter Change Reminder
- Percentage Wise Compliance

Garage Management

- Stock Management
- Low Stock Level Warning
- Stock Transfer Between Branches
- Supplier Management
- Breakdown Report
- Job Card Management



Anti-Theft Fuel System (ATFS)

- Live Fuel Monitoring
- Daily Trip Reports
- Fuel Theft Warning via Mobile App
- Reports of Fuel Usage between Any Selected Dates
- Instant Report of All Used Fuel by Operator, Machine and Mine Branch

Automatic Tank Measurement

- Live Track the Fuel Pump Tank level
- Track the Fuel Dispensed in the tank by the supplier
- Supplier Management
- Low Fuel Level in the tank warning
- Compare the fuel dispensed from the tank with Fuel Pump via FPAS in your fleet

Fuel Pump Automation System (FPAS)

- Dispensing Fuel
- Track the fuel dispensed on the fleet
- Authorized Dispensing

Technical Specification

	Com Annual Company	210 SOV SENSE OF WHEELS	
ARM9EJS @ 260MHz	ARM9EJS @ 260MHz	ARM9EJS @ 260MHz	
4MB (ROM) / 4MB (RAM)	4MB (ROM) / 4MB (RAM)	4MB (ROM) / 4MB (RAM)	
GSM Module	Quad Band GPRS Multi-Slot Class GPRS Mobile Station Output Power	850/900/1800/1900 MHz Class 12 (85.6 KBPS) Class B 2W @ 850/900 MHz 1W @ 1800/1900 MHz	
GNSS Module	GPS L1 Band Receiver GLONASS L1 Band Receiver Position Accuracy Velocity Accuracy Acceleration Accuracy TTIF Senstivity	1575.42 MHz Tracking : 33 (Channels) Acquisition : 99 (Channels) 1601.71 MHz <2.5m <0.1 m/s <0.1 m/s Cold Start : <35s Warm Start : <30s Hot Start : <1s Acquisition : -149 dBm Tracking : -167 dBm	
Antenna	Built-in GSM and GPS	Built-in GSM and GPS	
Communication Interface			
Record Storage/buffer	50,000 Data Packets(64Mb)	50,000 Data Packets(64Mb)	
Interface	Analog Fuel Sensor Interface with sudden drop corrections	Analog Fuel Sensor Interface with sudden drop corrections	
Speed Sensor			
SIM Interface			
GPRS Packet Data	TCP	ТСР	
LED Indication	GPS (RED), Network GSM/Data Transfer (Blue)	GPS (RED), Network GSM/Data Transfer (Blue)	
Connectors	Open wire	Open wire	
Power Supply	8 – 100V DC with resettable Fuse	8 – 100V DC with resettable Fuse	
Current Consumption	@12V 60mA in Standby, 98mA while Sending Data	@12V 60mA in Standby, 98mA while Sending Data	
Internal Battery	250 mAh/3.7V Li-Po	250 mAh/3.7V Li-Po	
Enclosure	IP54	IP54	
Temperature	Operating : -20°C ~ 65°C	Operating : -20°C ~ 65°C	
Dimension	85(L)*47(W)*17.5(H)	85(L)*47(W)*17.5(H)	
Weight	92g	92g	
Firmware over air upgrade	Yes	Yes	
Bluetooth	3.0 (EDR)	3.0 (EDR)	
Motion Sensor	GPS Based	GPS Based	
Additional Feature	3.0 (EDR)	3.0 (EDR)	
Engine Imobiliser	yes	yes	
Inputs/Outputs	2 In / 1 Out	2 In / 1 Out	

Technical Specification

	ULTRASONIC SENSOR TECHNICAL PROPERTIES	
	ITEM	SPECIFICATIONS
	MEASURING RANGE	1000mm
	MATERIAL	Diesel & Petrol
	RESOLUTION	0.5mm
	LOWEST LIQUID LEVEL DETECTION	40-50 mm
	MAX. TANK THICKNESS	6 mm
	MAX. LENGTH OF SENSORS CABLE	15 meters
	POWER SUPPLY	12V-24V
	IP RATING	lp67
	MAX POWER CONSUMPTION	<1W/12V DC
	WORKING TEMPERATURE	-40°C - +65°C
	LIQUID MEASUREMENT ACCURACY	$\pm 1\%$ Under standard condition
	COMMUNICATION INTERFACE	Rs232
	TELEMATICS BOX TECHNICAL PROPERTIES	
	ITEM	SPECIFICATIONS
CED SIGNAL	DIMENSIONS	210 x 80 x 55 mm
SPICE OF WHEELS	INPUT VOLTAGE	10 - 36V DC
	WEIGHT	450g
a 60	STANDBY BATTERY	3.7V/500mah
0	OPERATING TEMPERATURE	-20 °C to 65 °C
	WORKING HOURS	4 TO 6 hr Standby
	SUPPORTS	GPS, GPRS (2G) & BLUETOOTH
	ADDITIONAL I/O	2 I/P, 1 O/P
	PROBE SENSOR TECHNICAL PROPERTIES	
	ITEM	SPECIFICATIONS
	MEASURING RANGE	1000mm
	MATERIAL	Diesel & Petrol
	RESOLUTION	1.5mm
	LOWEST LIQUID LEVEL DETECTION	10-20mm
	MAX. LENGTH OF SENSORS CABLE	15 meters
	POWER SUPPLY	10V~70V
	IP RATING	lp67
	MAX POWER CONSUMPTION	<1W/12V DC
	WORKING TEMPERATURE	-40°C - +75°C
	LIQUID MEASUREMENT ACCURACY	±4% Under standard condition
	COMMUNICATION INTERFACE	Rs485 Analog

Automatic Tank Measurement



Technical Specification:

- Voltage Range : 10 TO 70 VDC
- Current Range : 30mA
- Operating Temperature Range : -40°C TO +75°C
- Supports : Analog
- Enclosure Protection : Ip67
- Measurable material : Diesel & Petrol
- Resolution : 1.5mm
- Lowest Liquid Level Detection : 10-20MM
- Max. Length Of Sensor Cable : 7.5 M
- Max Power Consumption : <1W/12VDC
- Weight: 2.0 Kg
- Length: 2500 mm

Fuel Pump Automation System





Ghana Partner:





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