



# MEHTA EARTHMOVERS

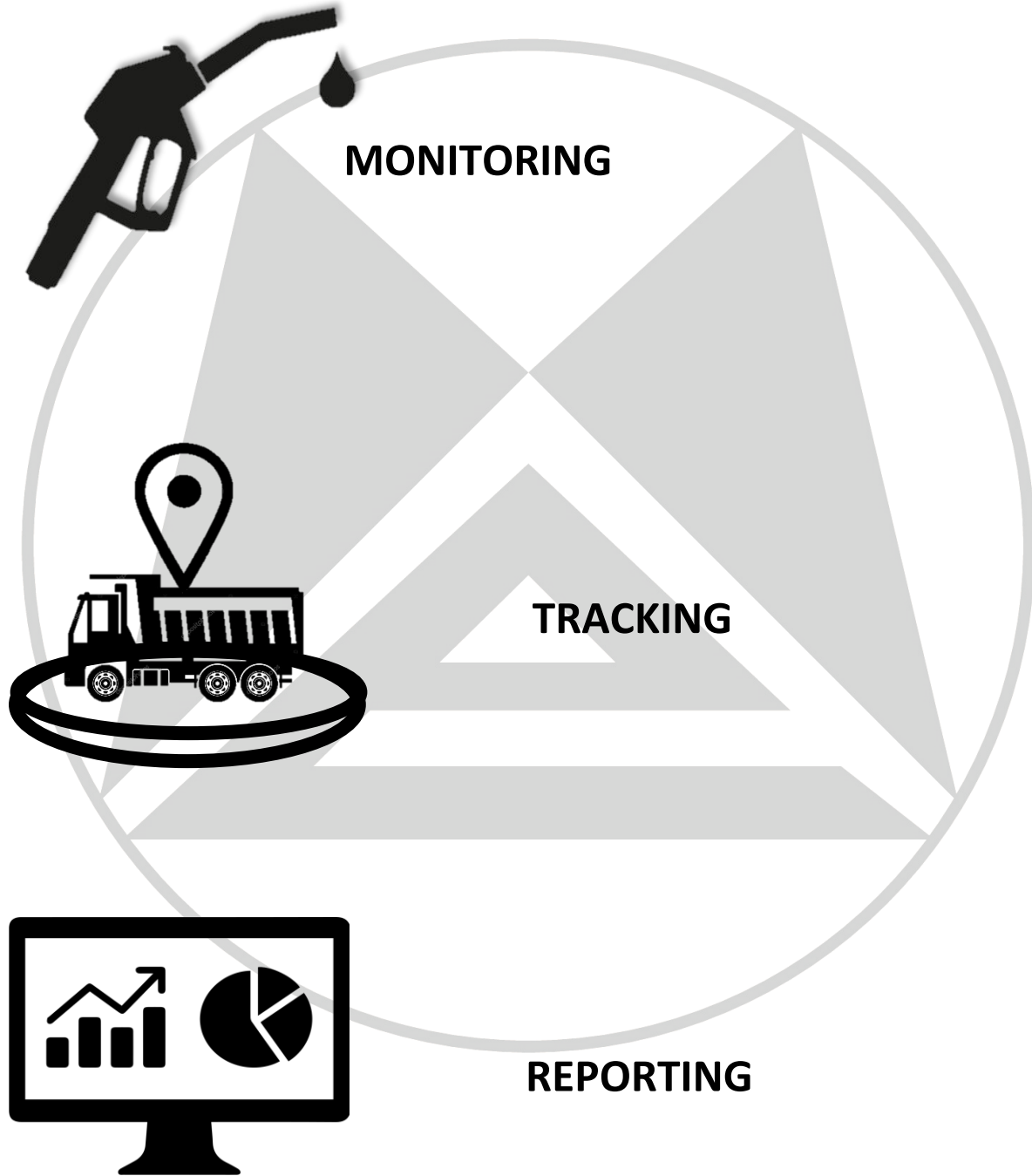
216, Mehta House, Pandita Ramabai Road, Chowpatty, Mumbai – 400 007, Maharashtra, India

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Web: [www.mehtaeearthmovers.com](http://www.mehtaeearthmovers.com)

## FUEL TRACKING SOLUTION



SAMAY<sup>®</sup> DIESEL BOWSER



SAMAY<sup>®</sup> SERVICE VAN



SAMAY<sup>®</sup> EXPLOSIVE VAN



SAMAY<sup>®</sup> WATER TANK



HECTRONIC FUEL  
MANAGEMENT SYSTEM



VALVOLINE



DONALDSON FILTERS



SAMOA HOSE REELS  
SAMOA FUEL TRANSFER PUMP  
FUEL DISPENSING NOZZLE





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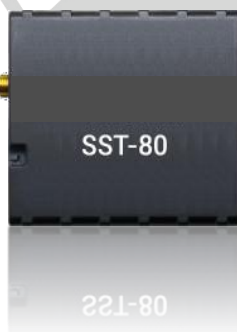
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## KEY FEATURES:

- Instant alert generation via GPRS/Email/SMS on Fuel Drain, Over Speeding, Geofence Entry & Exit, route deviation etc.
- Know Current Location and Fuel Status of the vehicle online.
- Management Dash Board with Summary Information on Fuel Refilling and Drain.
- Vehicle Trip, Movement and Shift Report.
- Fuel and Engine Hour Report on Graphical Format.
- Chart on Vehicle/Machine Activities, Engine Running Over the Period and Engine Load over the Period
- Generate online report in PDF, Excel format for any chosen interval.
- Highly Reliable GPS and Fuel Sensor hardware with tampering alerts





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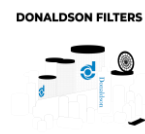
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## ARCHITECTURE:





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## REPORTS:

### REFUELING & DRAINING REPORT: Fuel consumption and fuel refueling in equipment.

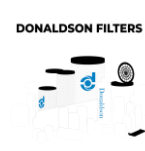
Vehicle	Start time	End time	Event	Volume, l	Address
MH46 BB 1209_MIXER	25.11.2017 04:48:51	25.11.2017 05:08:02	Draining	47.6	Link Road, Kandivali West, Hindust
MH46 BB 1209_MIXER	29.11.2017 20:59:57	29.11.2017 21:07:27	Refuelling	51.4	Malad Marve Road, Orlem, Hindust
MH46 BB 1209_MIXER	01.12.2017 02:25:45	01.12.2017 02:31:20	Refuelling	47.1	Malad Marve Road, Orlem, Hindust

### FUEL STATISTICS REPORT: Stats of equipment including Mileage, Maximum Speed, Engine operation time etc.

Metric	Value	Unit / Description
Mileage, km	296.83	Movement time, hh:mm:ss, (% of the report period)
Mileage at overspeed, km	0.00	Engine operation time, hh:mm:ss (% of the report period)
Average speed in movement, km/h	15.0	Engine operation time when VH in motion, hh:mm:ss (% of the report period)
Maximum speed, km/h	65.0	Time during which engine was Off, hh:mm:ss (% of the report period)
		Engine operation time when VH motionless, hh:mm:ss, (% of the report period)
		Engine idle time, hh:mm:ss, (% of engine operation time)

### LOG REPORT: Details on equipment activity in log report including Ignition key, equipment battery voltage, Position, Events.

Date and time	Key	GPR	GPS	Power supply, V	Satellites	Coordinates	Direction	Altitude	Miles	GPS s	Revoluti	Source of the event.	LLS1	T(LLS)	LLS1 s	LLS2	T(LLS)
24.11.2017 01:48:21	Off	Yes	Yes	0.0 (Battery)	14	19.207082, 72.826141	West	7.0	-	0.0	-	Changing to the main power supply	-	-	-	-	-
24.11.2017 01:48:22	On	Yes	Yes	25.4 (Battery)	14	19.207082, 72.826141	West	7.0	-	0.0	-	Changing to the main power supply	-	-	-	-	-
24.11.2017 01:48:37	On	Yes	Yes	0.0 (Battery)	14	19.207082, 72.826141	West	2.0	-	0.0	-	Changing to the battery supply	-	-	-	-	-
24.11.2017 01:48:38	On	Yes	Yes	0.0 (Battery)	14	19.207082, 72.826141	West	2.0	-	0.0	-	Changing to the battery supply	-	-	-	-	-
24.11.2017 01:48:39	On	Yes	Yes	25.4 (Battery)	14	19.207082, 72.826141	West	2.0	-	0.0	-	Changing to the main power supply	-	-	-	-	-
24.11.2017 01:48:42	On	Yes	Yes	5.5 (Battery)	14	19.207082, 72.826141	West	3.0	-	0.0	-	Changing to the battery supply	-	-	-	-	-
24.11.2017 01:48:43	On	Yes	Yes	5.5 (Battery)	14	19.207082, 72.826141	West	3.0	-	0.0	-	Changing to the battery supply	-	-	-	-	-
24.11.2017 01:48:44	On	Yes	Yes	0.0 (Battery)	14	19.207082, 72.826141	West	3.0	-	0.0	-	Changing to the battery supply	-	-	-	-	-
24.11.2017 01:48:51	On	Yes	Yes	5.4 (Battery)	14	19.207082, 72.826141	West	4.0	-	0.0	-	Changing to the battery supply	-	-	-	-	-
24.11.2017 01:48:53	On	Yes	Yes	0.0 (Battery)	14	19.207082, 72.826141	West	5.0	-	0.0	-	Changing to the battery supply	-	-	-	-	-
24.11.2017 01:48:54	On	Yes	Yes	0.0 (Battery)	14	19.207082, 72.826141	West	5.0	-	0.0	-	Changing to the battery supply	-	-	-	-	-
24.11.2017 01:48:55	On	Yes	Yes	25.3 (Battery)	14	19.207082, 72.826141	West	5.0	-	0.0	-	Changing to the main power supply	-	-	-	-	-
24.11.2017 01:49:25	On	Yes	Yes	25.3	14	19.207082, 72.826141	West	11.0	0.0	0.0	1000.00	Timer	359	20	Ready	0	
24.11.2017 01:49:55	On	Yes	Yes	25.3	14	19.207057, 72.826141	West	8.0	0.0	0.0	1000.00	Timer	359	20	Ready	0	







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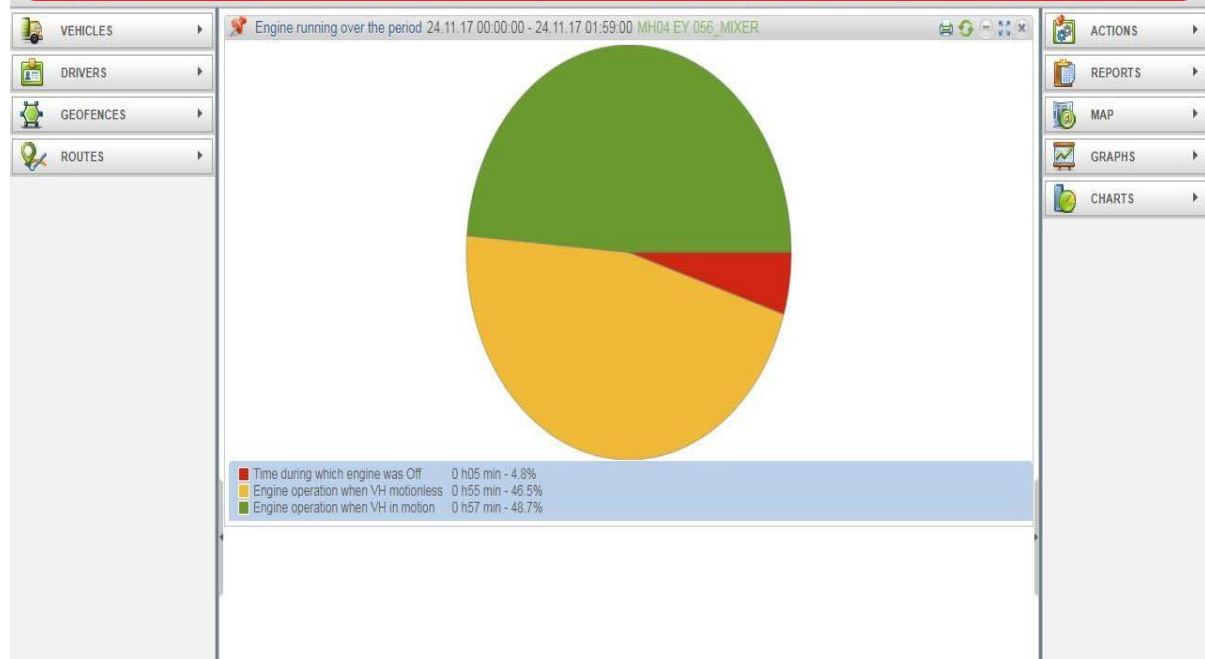
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**REFUELING AND DRAINING REPORT IN GRAPHICAL FORMAT:** The report analysis provides accurate details on refueling and draining events.



**ENGINE RUNNING OVER THE PERIOD IN PIE-CHART FORMAT:** Equipment running over the selected period in Pie-chart form covering time during which engine was off, engine operation when vehicle in motion and vehicle in motionless.



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## Reports

- 1) **Alerts** - Report of all alerts that were set by the user.
- 2) **Vehicle Summary** - Summary of events for the entire fleet.
- 3) **Over speed** - Location, speed, and date/time of all instances when the equipment crossed the set speed limit.
- 4) **Mileage/Distance** - Miles covered in selected date/time range for every equipment.

TYPE	PARTICULARS
VTS Reports	Activity, alert, Drive report, Mileage usage, start-stop report, Kilometers Summary, Trip Report, Trip Replay, Trip Module.
GIS Map	GIS Map Reading.
MIS Report	Ability to save in Excel, PDF, CSV, XML, HTML Take Printouts for any period last three months
Web Access	Live tracking of vehicle, Instant Reports, making Work plans. And monitoring all deviations of the vehicle through the Monitor Page.
GPRS	GPRS SIM Card Charges included.
Alerts	E-mail Alerts of Emergency, Over speeding, Temperature, Door, Ignition, etc. (SMS Alerts on Chargeable Basis)





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## FUEL LEVEL SENSOR

### (SPECIFICATIONS & FEATURES)

Power supply voltage, volts ,DC	7 to 45
Measuring range	0.....700/1000/1500/2000
Power consumption (Watts)	Typical- 0.6 Maximal- 0.9 At short circuit on analog o/p- 1.6
Measurement sampling time (seconds)	1
Internal filtration buffer size	From 0 – 30
Accuracy Range (%)	± 1.0
Maximum o/p voltage (V)	5 – 20
Minimum o/p voltage (V)	0 – 15
Digital to Analog Conversion resolution	12
Max. o/p frequency	2000
Operating Temperature	-40 to 80
Critical temperature	-60 to +85
Ingress protection rating	IP57
Average service life in years	8





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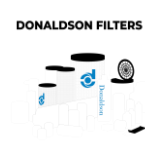
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The Fuel level sensor SST-201 detects the level of fuel in the fuel tank of a vehicle, or fuel storage / transportation and sends information about the current level in the form of an analog data to the GPS device.

## FEATURES:

- ✓ The connecting wires are protected by a flexible corrugated metal-plastic tube.
- ✓ High accuracy
- ✓ IP57 compliant
- ✓ Monitoring Fuel Consumption on accurate way along with pilferage and re-filling
- ✓ Most suitable for Automotive Vehicles, Heavy Earth Moving Vehicles, JCB, Hydra and DG Sets.
- ✓ Integrated with SS Tracking GPS to provide on-line fuel monitoring.







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## GPS TRACKER

### (SPECIFICATIONS & FEATURES)

#### GSM

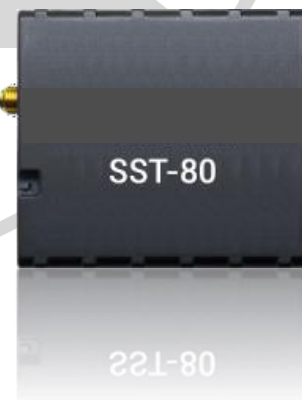
- Quad-band 900/1800 MHz; 850/1900 MHz
- GPRS Multi-Slot Class 12 (up to 240 Kbps)
- GPRS Mobile Station Class B
- SMS (text/data)
- Dual SIM

#### Bluetooth®

- Bluetooth® specification V3.0 (2400 MHz – 2483.5 MHz)
- Bluetooth® transceiver fully compliant with Bluetooth® specification V3.0 for external peripherals:
- Voice calls over Bluetooth®
- Configuration via Bluetooth®

#### GNSS

- Tracking: 33/ 99 acquisition channels
- 165 dBm sensitivity
- Hot start <1s
- Warm Start < 25s
- Cold start < 35s
- NMEA-183 protocol
- GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS





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- Accuracy < 3m

New generation of compact and professional tracker, now equipped with innovative GNSS/GSM/Bluetooth module packed with set of new features and functions. It has internal GNSS, internal high gain GSM antennas and internal battery. Device is also equipped with RS485/RS232 data interface support. Very compact and professional tracker with internal high gain GSM and internal GNSS antennas, which is able to collect device coordinates and other useful data and transfer them via GSM network to server. This device is perfectly suitable for applications where location acquirement of remote objects is needed. Example: fleet management, logistics companies and so on. It can perform tasks on remote objects, such as monitoring engine status, controlling truck's door etc.

## **Features:**

- Small and easy to mount case
- Real Time tracking
- Smart data acquisition based on time, distance, angle, speed delta, ignition and I/O events allow to have precise online tracker
- 50 Geo-fence zones (rectangular or circle)
- Towing detection using accelerometer
- Crash detection with buffer
- Over speeding to secure driver and prevent penalties
- Immobilizer function
- GSM jamming detection
- Excessive Idling detection
- Trip start and end detection

