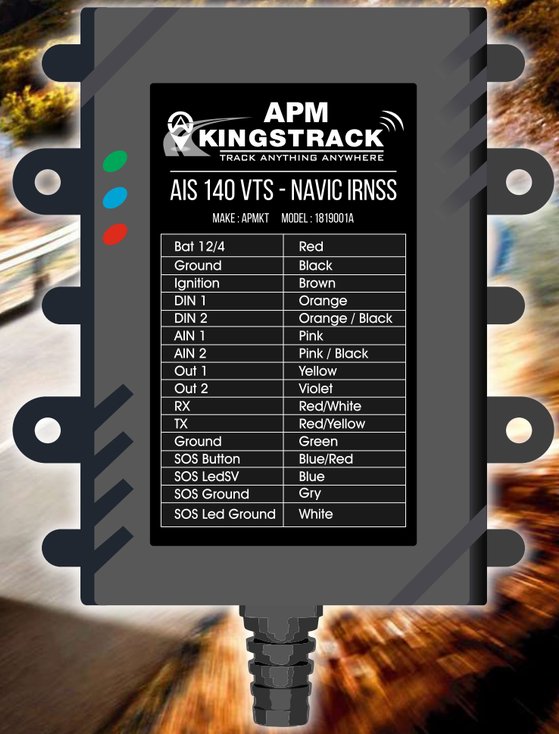
APM KINGSTRACK

TRACK ANYTHING ANYWHERE

VEHICLE TRACKING DEVICE



AIS 140 VTS
NAVIC IRNSS

CDAC NIC ISO ICAT CERTIFIED TÜV SÜD ISO 9001-2015 DIMTS We help people move

www.apmkingstrack.com

About APM Kingstrack

APM Kingstrack, is an internationally reputed GPS Tracking company, offering world-class GPS Tracking solutions that help clients to track and manage vehicles, students, field workers and industrial machines. APM Kingstrack is an approved manufacturer of AIS 140 VLT device and Vehicle CCTV camera (IS 16833:2018 and AIS004) from the Authorized Testing Agency (ICAT). APM Kingstrack has a variety of GPS solutions such as Fleet tracking, Workforce tracking, School kids tracking, Temperature monitoring, fuel monitoring and Garbage Collection.

What Is AIS 140 ?

Automotive Industry Standard 140 (AIS 140) is a set of standards published by ARAI (Automotive) for vehicle tracking system (VTS) and emergency request button.

To comply with AIS 140 guidelines, all passenger carrying vehicles and national permit commercial vehicles will need to have a GPS tracking system and an emergency button.

Both the existing vehicles as well as the new vehicles will be required to be fitted with GPS and emergency button. This implies that the automotive OEMs along with aftermarket companies and Tier 1 suppliers need to have these systems ready.

Certificate

I CAT Certification

INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

(A Division of NATRIP Implementation Society (NATIS), Govt. of India)

TEST REPORT

Non-Transferable

Test Report No. : CTGGP1832 Date: 04.02.2020

1. NAME AND ADDRESS OF THE CUSTOMER — M/s APM Kingstrack Technologies, First Floor, MB complex ,Old No.25,New No.142,Near Arumbakkam Metro Station Pillar 113,Loganathan Nagar 2nd st,Jawaharlal nehru salai,100 ft rd, Choolaimedu, Chennai- 600094

2. NAME AND ADDRESS OF THE MANUFACTURER — M/s APM Kingstrack Technologies, First Floor, MB complex ,Old No.25,New No.142,Near Arumbakkam Metro Station Pillar 113,Loganathan Nagar 2nd st,Jawaharlal nehru salai,100 ft rd, Choolaimedu, Chennai- 600094

3. DESCRIPTION OF DEVICE UNDER TEST (DUT)

AIS 140 Vehicle Location Tracking Device	Emergency Button
Model Name/No. : 1810001A	Model Name/No. : LK1-EB218
Part No.:ECU	Part No: 0016
Drawing No.: APMKT-ENC-011	Drawing No.: APMKT-ENC-012
GSM/GPRS Make/Module: Quectel M66	
GNSS/GPS Make/Module: Quectel L89 (GPS + IRNSS)	
Accelerometer & Gyroscope Make/Module: STMicroelectronics LSM6DS3	
Voltage System: 12V & 24V	
e-Sim chip Make/ e-Sim Service provider/ Network Profile: inSmove , PG-VCP4-N-4 / Sensorise QoSINE Idea & BSNL	
Firmware Version: 1.0.0	
Software Version: 1.0.0	

4. DATE OF RECEIPT OF SAMPLE (DUT) — 15.05.2019
5. CONDITION OF SAMPLE(S) — OK
6. TEST DIRECTIVE — To carry out the tests as mentioned in Sr. No. 12 on the DUT mentioned in Sr. No. 3 above as per AIS 140 as amended up to December 2018.
7. TEST METHOD — As per AIS 140 as amended up to December 2018.
8. FUNCTIONAL VERIFICATION — DUT was powered on with 12V & 24V as per each test requirements of AIS 140 as amended up to Dec' 2018. Performance was observed before, during and after each test as per the requirements mentioned in AIS 140 as amended up to Dec' 2018 through data output strings of the Vehicle Tracking System as per communication Protocol mentioned in AIS 140 as amended up to Dec' 2018.
9. CONCLUSION — DUT as mentioned in Sr. No. 3 above meets all the Test requirements as per AIS 140 as amended up to December 2018. Note: This Report Supersedes Report no - CTGGD2219 dated 16.07.2019

Prepared By: SONIA NAIN, Asst. Manager — Checked By: ANNU KR. SUDHANIA, Manager — Approved By: PAMELA TIKKU, Sr. Gen'l Manager

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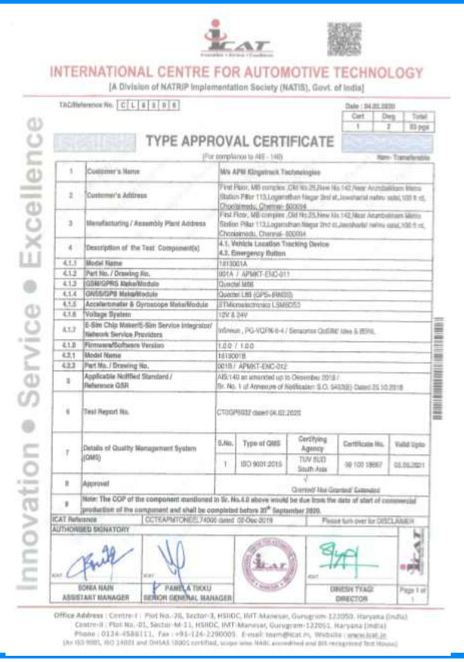
TAC Certification


INTERNATIONAL CENTRE FOR AUTOMOTIVE TECHNOLOGY

(A Division of NATRIP Implementation Society (NATIS), Govt. of India)

TAC/Reference No. C L 8 8 8 9 — Date : 04.02.2020

TYPE APPROVAL CERTIFICATE

(For compliance to AIS - 140) — Non- Transferable

1	Customer's Name	M/s APM Kingstrack Technologies
2	Customer's Address	First Floor, MB complex ,Old No.25,New No.142,Near Arumbakkam Metro Station Pillar 113,Loganathan Nagar 2nd st,Jawaharlal nehru salai,100 ft rd, Choolaimedu, Chennai- 600094
3	Manufacturing / Assembly Plant Address	First Floor, MB complex ,Old No.25,New No.142,Near Arumbakkam Metro Station Pillar 113,Loganathan Nagar 2nd st,Jawaharlal nehru salai,100 ft rd, Choolaimedu, Chennai- 600094
4	Description of the Test Component(s)	4.1. Vehicle Location Tracking Device 4.2. Emergency Button
4.1.1	Model Name	1810001A
4.1.2	Part No. / Drawing No.	001A / APMKT-ENC-011
4.1.2	GSM/GPRS Make/Module	Quectel M66
4.1.4	GNSS/GPS Make/Module	Quectel L89 (GPS+IRNSS)
4.1.5	Accelerometer & Gyroscope Make/Module	STMicroelectronics LSM6DS3
4.1.6	Voltage System	12V & 24V
4.1.7	E-Sim Chip Maker/E-Sim Service Integrator/ Network Service Providers	inSmove , PG-VCP4-N-4 / Sensorise QoSINE Idea & BSNL
4.1.8	Firmware/Software Version	1.0.0 / 1.0.0
4.2.1	Model Name	1610001B
4.2.2	Part No. / Drawing No.	0016 / APMKT-ENC-012
5	Applicable Notified Standard / Reference GSR	AIS 140 as amended up to December 2018 / Sr. No. 1 of Annexure of Notification S.O. 5403(E) Dated 05.10.2018
6	Test Report No.	CTGGP1832 dated 04.02.2020
7	Details of Quality Management System (QMS)	S.No. 1 — Type of QMS: ISO 9001:2015 — Certifying Agency: TUV SUD South Asia — Certificate No.: 99 100 19867 — Valid Upto: 05.06.2021 — Granted/ Not Granted/ Extended
8	Approval	
9	Note: The COP of the component mentioned in Sr. No.4.0 above would be due from the date of start of commercial production of the component and shall be completed before 30th September 2020.	
ICAT Reference	CCTEAPMTONEC/7400 dated 02-Dec-2019	Please turn over for DISCLAIMER

AUTHORISED SIGNATORY

SONIA NAIN, ASSISTANT MANAGER — PAMELA TIKKU, SENIOR GENERAL MANAGER — DINESH TYAGI, DIRECTOR

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Office Address : Centre-I : Plot No.-26, Sector-3, HSIIDC, IMT-Manesar, Gurugram-122050, Haryana (India) Centre-II : Plot No.-01, Sector-M-11, HSIIDC, IMT-Manesar, Gurugram-122050, Haryana (India) Phone : 0124-4586111, Fax : +91-124-2290905, E-mail: team@icat.in, Website : www.icat.in (An ISO 9001, ISO 14001 and OHSAS 18001 certified, scope wise NABL accredited and BIS recognized Test House)

AIS 140 Tracking Device

Pin Diagram

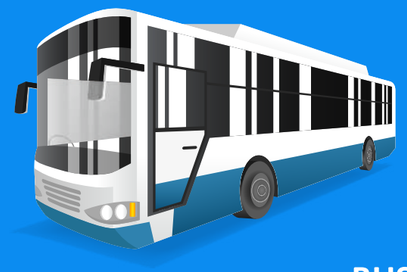
Bat 12/4	Red
Ground	Black
Ignition	Brown
DIN 1	Orange
DIN 2	Orange / Black
AIN 1	Pink
AIN 2	Pink / Black
Out 1	Yellow
Out 2	Violet
RX	Red/White
TX	Red/Yellow
Ground	Green
SOS Button	Blue/Red
SOS LedSV	Blue
SOS Ground	Gry
SOS Led Ground	White

Red 1	Black 2	Brown 3	Orange 4
Orange - Black 5	Pink 6	Pink-Black 7	Yellow 8
Violet 9	Red-White 10	Red-Yellow 11	Green 12
Blue-Red 13	Blue 14	Gry 13	White 14

Technical Specification

Dimension	L-28 cm, H-2.5 cm, W-8.4 cm
Weight	160 g
Network	GSM/GPRS/GPS, TCP/IP
Band	850/900/1800/1900 Mhz
GPS Sensitivity	-165 dBm
GPS Accuracy	Less than 2.5M
Time To First Fix	Cold status 32s Warm status 25s Hot status 4s
Working Voltage	9-36V DC
Storage Temp	-40°C to +85°C
Operation Temp	-20°C to +80°C
Humidity	15% - 95%

Who Needs AIS 140 VTS Tracker?



BUSES

- State Transport Undertakings - Inter-city & Intra city
- Private Bus Operators - Inter & Intra city

TAXIES

- Car and Bus Taxi fleet owners or operators (incl. corporate fleets)
- Rental Taxi operators
- Taxi hailing service providers
- Self-driven car rental operators

INSTITUTIONS

- Schools
- Colleges
- Institutional (incl. corporate) bus operators

NATIONAL PERMIT COMMERCIAL VEHICLES

- Cargo Vehicles

Features

IRNSS+GPS+AGPS Tracking
Allow the location to be pinpointed in real time or periodically

ACC Detection For Ignition Status
Be aware of the ignition status whenever you need

Remote Cut-Off (petrol/power)
Compel the vehicle to stop by breaking off the fuel connection

Tracked by: SMS, APP, Web
Reports location in real time through different interfaces

50000 Internal Data Storage
Memorize a large amount of GPS data for history review

Multiple I/Os
Digital Input/Output for remote monitoring and control

IP 65 Dust & Waterproof
Water-resistant to ensure stable operation in tough environment

Door Status Detection
Get instant alert when your car's door is open unexpectedly

RS:232 Serial Communication Interfaces
Support Fuel level sensor, RFID reader

Multiple Alarms
Instant alerts for SOS, overspeed, low battery, vibration, etc

Driver Behavior Monitoring
Monitor the driving behavior of the driver based on the accelerometer

Multiple Alarms
Instant alert for power off, GEO-Fence

SOS Emergency Call
In case of emergency, Press the SOS button to trigger an urgent call

Why APM Kingstrack ?

Hardware Design
& Manufacturing

Inhouse Software
Design & Development

Support
100+ VTS Device Protocol

Support
Multiple Maps

Software
Customization

Support
Android / IOS

Support
API Integration

One Year
Warranty

Software Features

Live Tracking

Tracking History

Maintenance

Digital I\P

Driver Behaviour

Remote Immobilization

Harsh Acceleration

Overspeed Detection

Harsh Breaking

Seat Belt Status

SOS

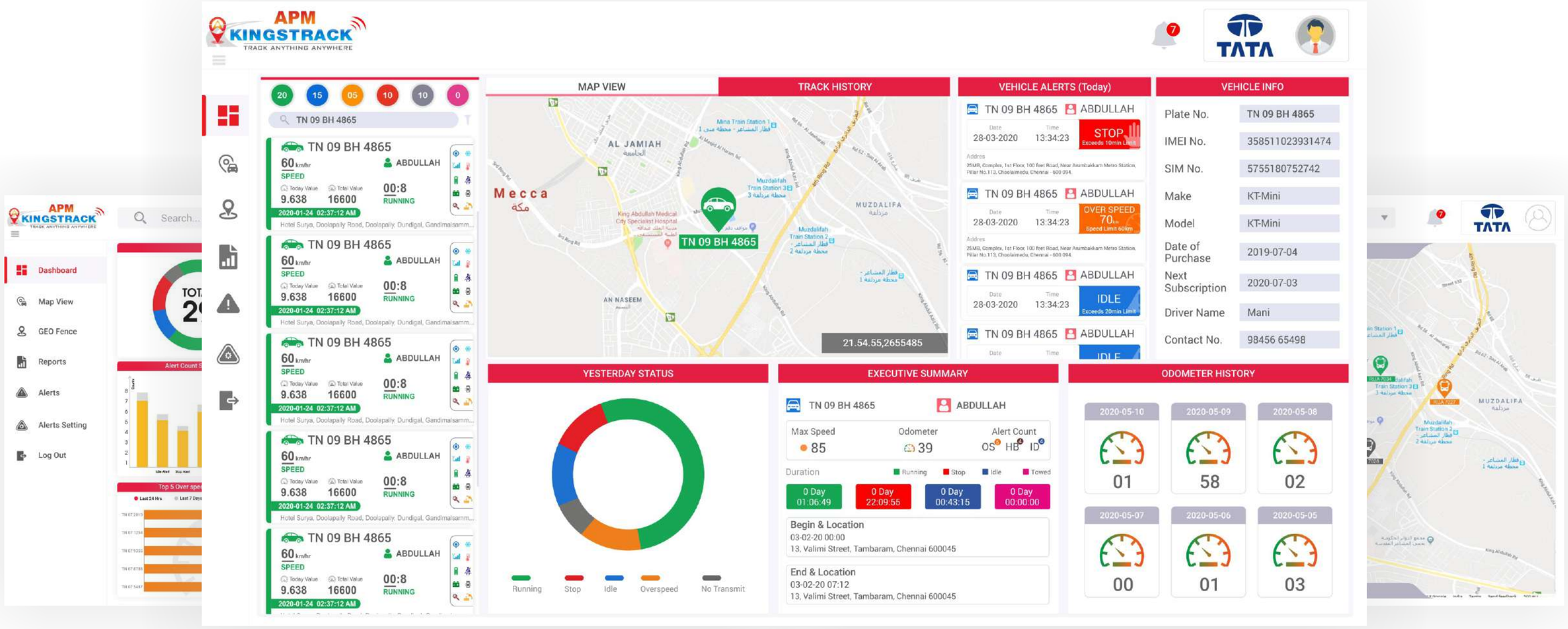
Own Software Platform

Alerts 20+

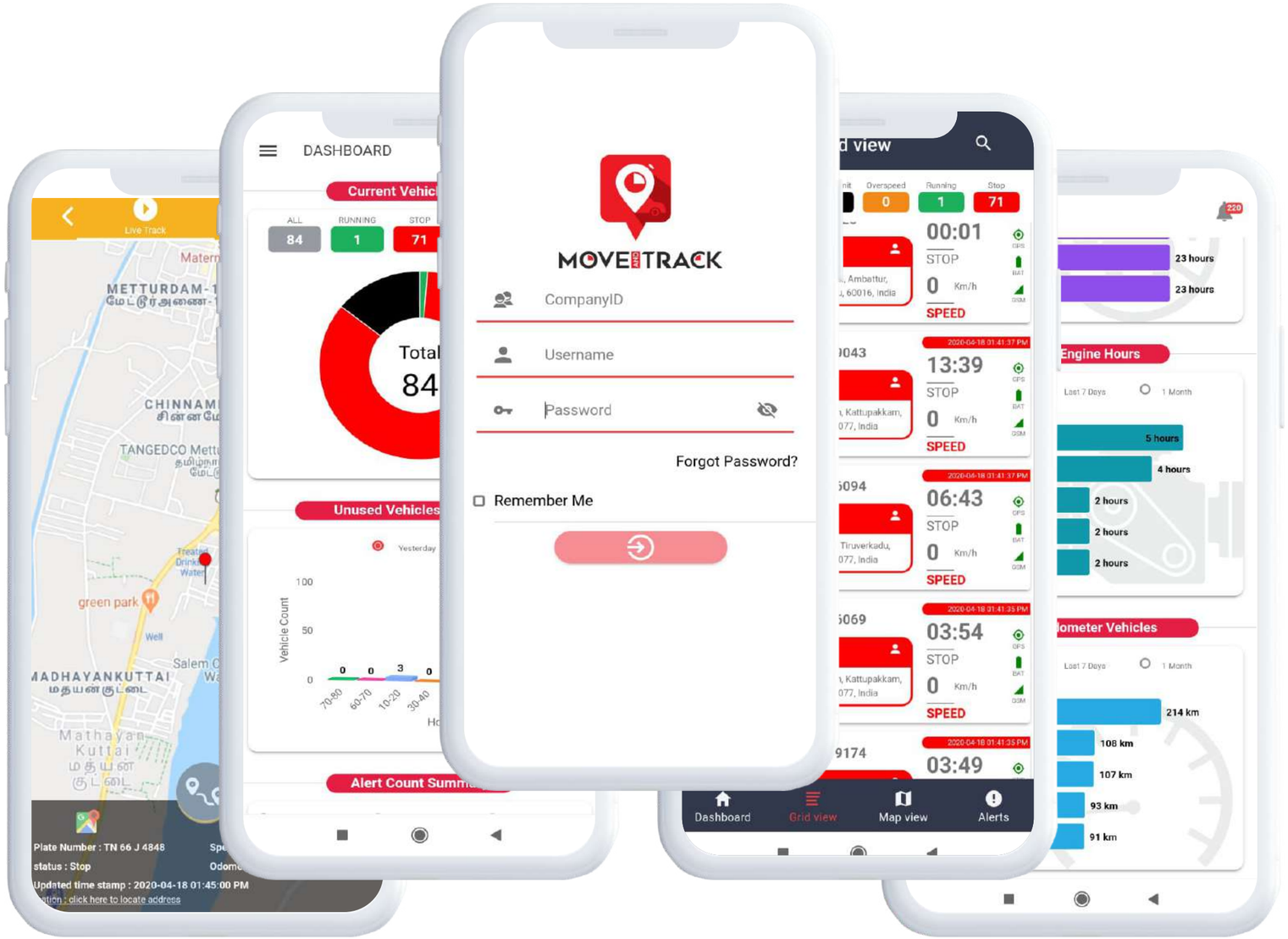
Reports 20+

and more....

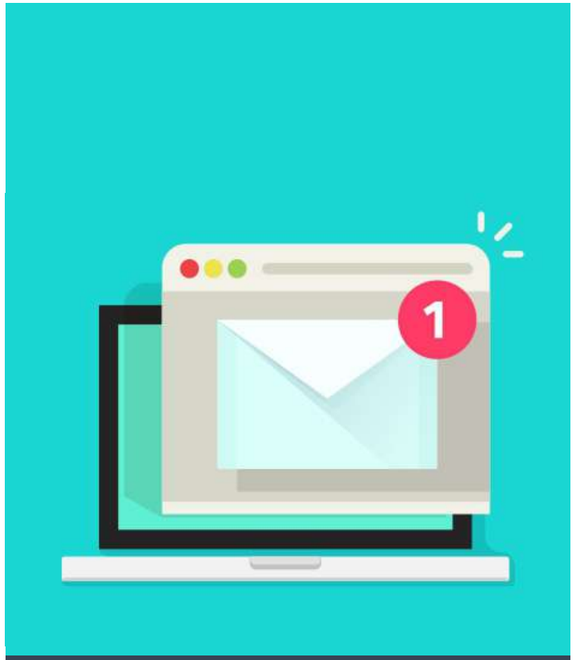
Application Screens



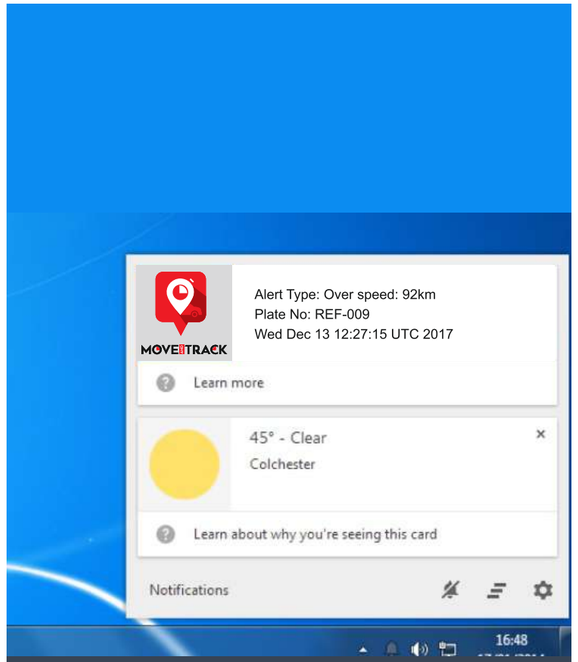
Mobile App


DASHBOARD
Current Vehicl
ALL
RUNNING
STOP
84
1
71
Total
84
Unused Vehicles
Yesterday
Vehicle Count
100
50
0
0
0
3
0
70-80
60-70
10-20
30-40
Alert Count Summ
Live Track
METTURDAM-1
CHINNAM
TANGEDCO Mett
green park
Well
Salem C
MADHAYANKUTTAI
Mathayan
Kuttai
Plate Number : TN 66 J 4848
status : Stop
Updated time stamp : 2020-04-18 01:45:00 PM
MOVE TRACK
CompanyID
Username
Password
Forgot Password?
Remember Me
d view
Overspeed
Running
Stop
0
1
71
00:01
STOP
0 Km/h
SPEED
13:39
06:43
03:54
03:49
Dashboard
Grid view
Map view
Alerts
23 hours
23 hours
Engine Hours
Last 7 Days
1 Month
5 hours
4 hours
2 hours
2 hours
2 hours
ometer Vehicles
214 km
108 km
107 km
93 km
91 km

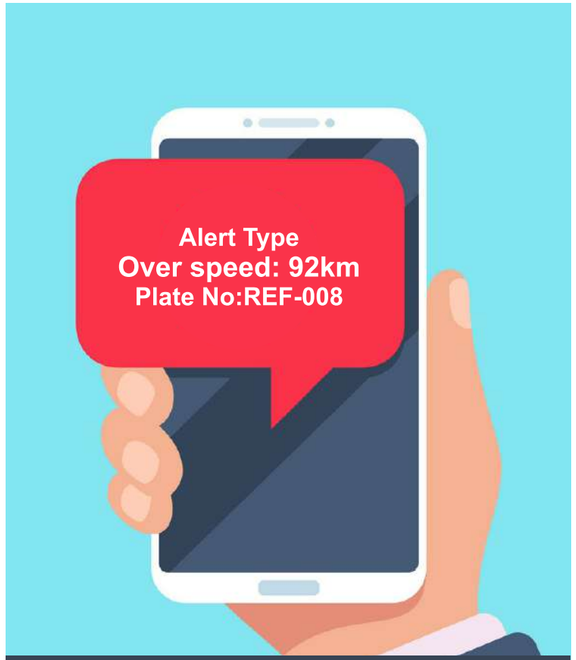
Alert Notifications



E-Mail Alert



Desktop Notification Alert



Push Notification Alert

Our Products

MOVE AND TRACK

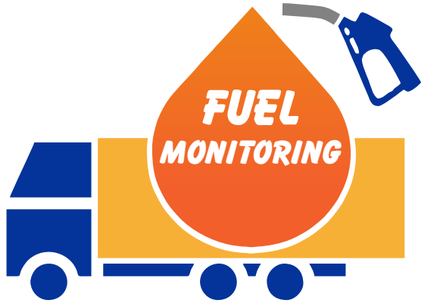
B2B Fleet Management

Government Approved
IRNSS Tracking Device

APMKTiB

Security Solution
CCTV

Temperature Monitoring
with GPS



Fuel Monitoring
Solution

Work Force
Management

GPS Tracker for
Your Personal Vehicles

GPS Tracker for
Every Home

and much more....

GPS SATELLITE

ASSET

CELLULAR TOWER

CLOUD SERVER

TRACK YOUR ASSETS

APM KINGSTRACK

TRACK ANYTHING ANYWHERE

APM KINGSTRACK TECHNOLOGIES PVT LTD

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