



PORTABLE COMPRESSOR MONITOR AND TRACKER

PRODUCT FEATURES

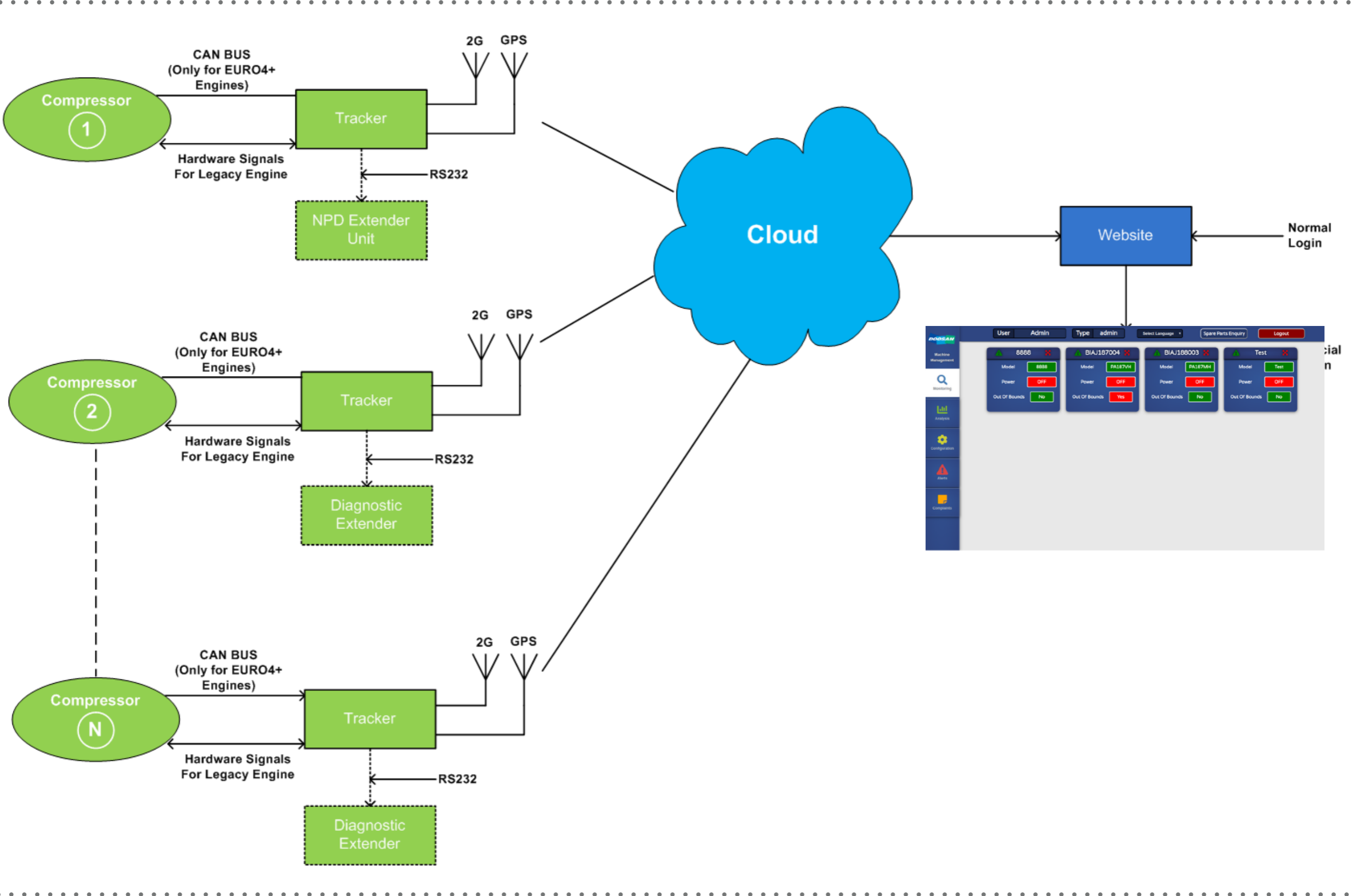
EXECUTIVE SUMMARY

- Configurable, multifunction, GPS enabled, Remote Monitoring controller with Cloud Connectivity for Electronic and Mechanical engines
- In-built Telematics with 2G Modem and GPS
- Cloud-based dashboard
- Engine owners can reduce costs, prevent downtime and optimize efficiency with intelligent analytics, real-time alerts and warnings directly from their computer or mobile device with an easy-to-use web portal.
- Google Map Integrated Location Tracking
- Compatible to all major manufacturers' engines

EXECUTIVE SUMMARY

- Machine Health Monitoring, Location Tracking with Hourly Usage Monitoring
- RS232 Port for Additional Communication
- Data logging when there is no GSM signal
- Engine Parameters Logging with Time Tag
 - Ignition Switch Status
 - Measuring of Engine Speed (RPM)
 - Engine Oil Pressure
 - Engine Water Temperature
 - Battery Voltage
- 3 LEDs to Indicate GSM Signal Level and 3 LEDs to Indicate Internal Battery Level (Future)
 - Water and Dust-proof ABS Enclosure

MULTIPLE COMPRESSORS MONITORING - OVERALL SYSTEM



CAN BUS DATA DISPLAY

- ▶ J1939 Protocol Implemented on CAN Bus to collect data from EURO4 engines' ECU
- ▶ Display of 14 Parameters collected through J1939
 1. Air Discharge Pressure (psi)
 2. Regulator Pressure (psi)
 3. Air Discharge Temperature (Celsius)
 4. Oil Filter Switch
 5. Battery Voltage (V)
 6. Boost Pressure (psi)
 7. Engine Oil Pressure (psi)
 8. Coolant Temperature (Celsius)
 9. Hydraulic Oil Level
 10. Engine Trip Fuel (ltrs)
 11. Engine Total Fuel (ltrs)
 12. Engine Load (%)
 13. Engine Speed (rpm)

REMOTE MONITORING DASHBOARD

- Web Portal with Multi-Level Login Control for
 - Compressor Owner
 - Dealer
 - Service In-charge
 - Company Head Quarters
- Multi-lingual (Hindi/English/Tamil) User Interface
- Management+Service Team Database and Login Capabilities
- Compressor Owner Database and Login Capabilities
- Dealer Database with Contact Numbers and Login Capabilities
- Geo fencing with Google Map Interface
- Compressor Location Identification
- Nearest Dealer Locating for Service
- Push Notifications/SMS Alerts

WEBSITE – REMOTE MONITORING AND MANAGEMENT

- Compressor ON & OFF Status
- Compressor Run Hours - Calculated by Authenticating Ignition Switch, Engine RPM together
- Engine RPM Display
- Compressor Model No and Engine Serial Number Entry for Compressor ownership and location tracking
- Date and Time Stamp for all parameters
- Visualisation - Historical Graph Plotting of Critical Parameters (Under Development)
- Compressor service status reminders and warranty expiry reminders based on Compressor Hour Meter Reading
- Status & reminders notifications in SMS/Email for Maintenance to the people listed in website to receive SMS/Email

WEBSITE - LOGIN PAGE

DOOSAN

EMAIL: webmaster2@doosan.com



MACHINE MANAGEMENT

Login

WEBSITE – HOME PAGE – FOR MONITORING MULTIPLE COMPRESSORS

The screenshot displays the home page of a website for monitoring multiple compressors. The top navigation bar includes the following elements:

- User: Admin
- Type: admin
- Select Language: (dropdown menu)
- Spare Parts Enquiry
- Logout

The sidebar on the left contains the following navigation options:

- Machine Management
- Monitoring
- Analysis
- Configuration
- Alerts
- Complaints

The main content area displays four machine monitoring cards, each with a status indicator (green triangle) and a close button (red X):

Machine ID	Model	Power	Out Of Bounds
8888	8888	OFF	No
BIAJ187004	PA187VH	OFF	Yes
BIAJ188003	PA187MH	OFF	No
Test	Test	OFF	No

All Machines Monitoring Page

WEBSITE - MACHINE PARAMETERS (ENGLISH)

User: Admin Type: admin Select Language LOGOUT

OFF PA415PLUS BIAJ187004 [Signal] [Location] [Wi-Fi] [Close]

Details

[More](#)

00062:6
RUN HOURS

Service Due Date: **12/12/19**

Warranty Expiry Date: **12/12/20**

[FIND DEALER](#) [Register Complaint](#)

Parameters

[Warning](#)

Ignition Switch	OFF
Engine RPM	2000
Engine Oil Pressure	LOW
High Air Temperature	ON
Battery Voltage	24.0

Map Satellite

Geofence Clear Submit

Google Patli पाटली Map data ©2019 Terms of Use Report a map error

Machine Page

WEBSITE - MACHINE PARAMETERS (HINDI)

Google Translated to: Hindi Show original Options

बंद PA415PLUS BIAJ188003

विवरण अधिक

00001:8 रन घंटे

सेवा नियत दिनांक 12/12/19

वारंटी समाप्ति की तारीख 12/12/20

FIND डीलर **रजिस्टर शिकायत**

पैरामीटर !

इग्निशन बटन **बंद**

इंजन RPM 0

इंजन तेल दबाव **कम**

उच्च वायु तापमान **बंद**

बैटरी वोल्टेज 24.02

नक्शा उपग्रह geofence स्पष्ट जमा करें

BIAJ188003

मानचित्र डेटा © 2019 उपयोग की शर्तें

WEBSITE - CONFIGURATION MANAGEMENT

DOOSAN

User Admin Type admin Select Language Spare Parts Enquiry Logout

ASM Dealers **Machine** Customers Users

Get List of Compressors Add Compressor

8888	8888	Users	View	Delete
BIAJ187004	456789999123457	Users	View	Delete
BIAJ188003	456789999123456	Users	View	Delete
Test	Test	Users	View	Delete

Machine Management
Monitoring
Analysis
Configuration
Alerts
Complaints

Configuration Page to add/modify Dealers, Customers, New Machines and Users of Website

WEBSITE - COMPLAINTS REGISTRATION



COMPLAINT REGISTRATION FORM ✕

Complaint Number	<input type="text" value="00000001"/>	Date of Complaint	<input type="text" value="31/07/2019"/>
Machine Sl.No	<input type="text" value="BIAJ187004"/>	Date of Breakdown	<input type="text"/>
Dealer Name	<input type="text" value="▼"/>	Complaint Type	<input type="text" value="3. High Oil carryover"/>
Complainant Name	<input type="text" value="Enter Your Name"/>	Complaint	<input type="text" value="Register Complaint"/>
Complainant Contact Number	<input type="text" value="Enter Youe Phone Number"/>		
Complainant Email ID	<input type="text" value="Enter Youe Email ID"/>		

WEBSITE - COMPLAINTS SUMMARY

DOOSAN

User Admin Type admin Select Language Spare Parts Enquiry Logout

Machine Management

Monitoring

Analysis





Configuration

Alerts

Complaints

Machine Sl.No.	Alert	Time
BIAJ187004	Engine Problem	2019/07/29 20:23:30
BIAJ187003	Battery Drain	2019/07/30 20:23:30
BIAJ187004	Low Oil Pressure	2019/07/31 20:23:30

WEBSITE - CAN J1939 DATA PAGE

OFF **PA415PLUS** **BIAJ188003**    

Details More

010000:0
RUN HOURS

Service Due Date: **12/12/19**

Warranty Expiry Date: **12/12/20**


FIND DEALER **Register Complaint**


Parameters !


Pressure 1 (psi)	2320.0	Coolant Temperature (Celsius)	1000
Pressure 2 (psi)	2320.0	Hydraulic Oil Level	1000
Temperature 1 (Celsius)	960.0	Engine Trip Fuel (Litres)	1000
Oil Filter Switch	1000	Engine Total Fuel (Litres)	1000
Battery Voltage (V)	50.0	Engine Load (%)	1000
Boost Pressure	1000	Engine Temperature	-
Engine Oil Pressure	1000	Engine Speed (rpm)	1000


Map Satellite

BIAJ188003

 **Geofence**

 **Clear**

 **Submit**



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CAN J1939 Data Display Page

WEBSITE – SPARE PARTS ENQUIRY

Select Language ▼



SPARE PARTS ENQUIRY FORM

Machine Model

Machine Sl.No

Dealer Name

Enquirer Name

Enquirer Contact Number

Enquirer Email ID

Spare Part

Select Spare Part ▼

Enquiry Details

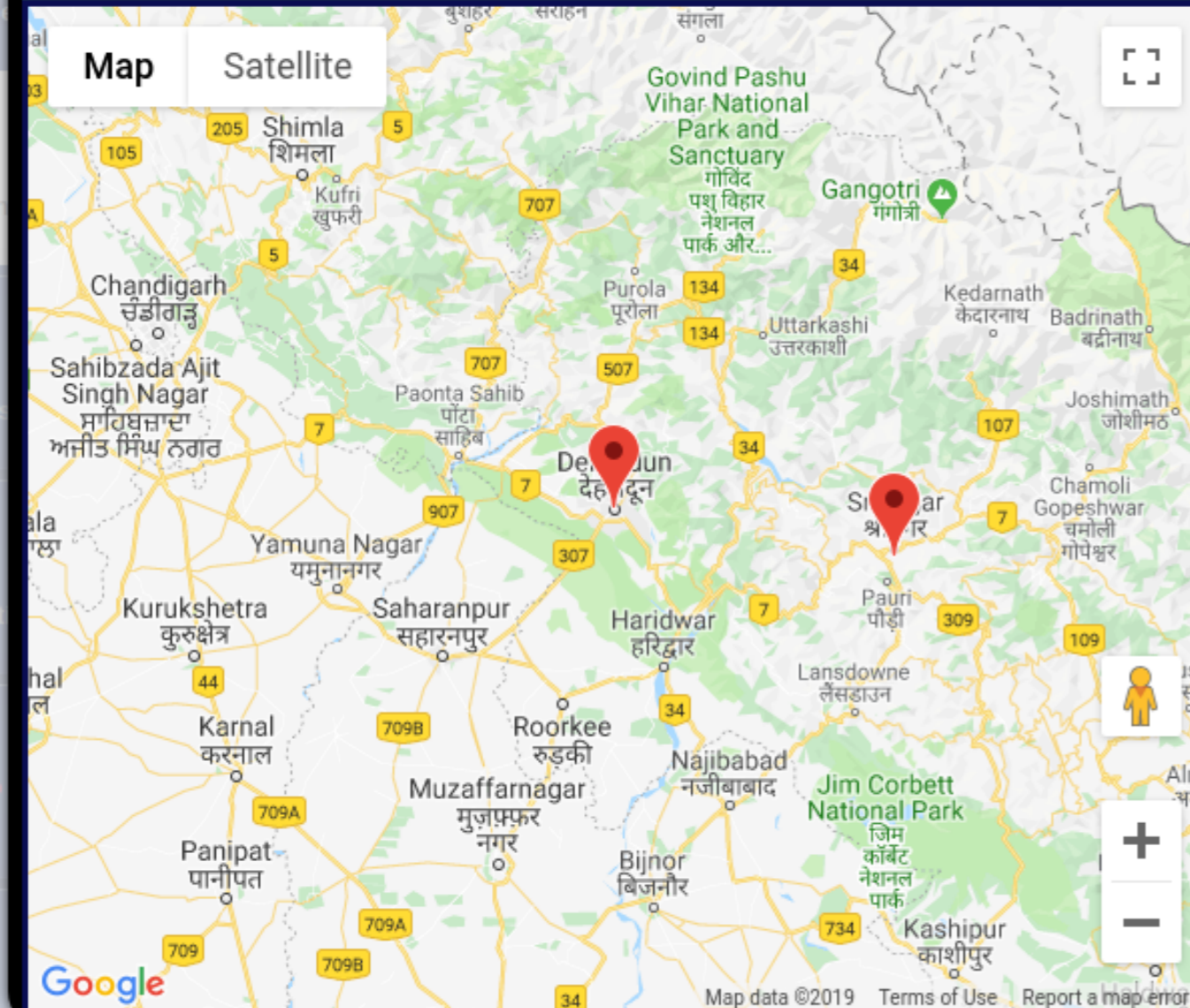
Preview

Submit

Reset

WEBSITE - DEALER SEARCH

DEALERS



Dealer Name

**ALPHA TEKNISK
PVT LTD**

Dealer Phone No.

8349738527

Dealer Email

alphatek@gmail.com

Dealer Address

Uttarakhand