

GPS fleet tracking solution that meets the California Air Resources (CARB) requirements

Challenge

2Track is a company that is focused on providing GPS fleet tracking solutions covered under the California Air Resource (CARB) requirements. CARB is the lead agency for climate change programs and oversees all air pollution control efforts in California to attain and maintain health-based air quality standards.

Data from refrigerated trucks should be collected and stored according to certain requirements by CARB. As many of 2Track's clients own fleets of refrigerators, the company needed a professional electronic tracking system that could comply with all regulations and recommendations of CARB.

Solution

DCS provided 2Track with this advanced electronic tracking system (ETS), and now the complex solution complies among others with the following requirements:

- The ability to track time, location, engine-hour meter readings, and other essential parameters.
- The ability to create geofences around retail and non-retail pickup and delivery points.
- The system must be tamper-proof and allow for tracking-data collection by an independent entity with no other business relationship to the owner or operator of the refrigerated truck.

Time	Location	Event	Geofence Name	Total Sensor Time
Tuesday 11/23/2021				
12:44:15 AM	14950 Catalina St San Leandro CA US	ESB Off		00:00:00
12:49:03 AM	14950 Catalina St San Leandro CA US	ESB On		
1:50:40 AM	14950 Catalina St San Leandro CA US	ESB Off		01:01:37
1:55:37 AM	14950 Catalina St San Leandro CA US	ESB On		
2:33:07 AM	14950 Catalina St San Leandro CA US	Diesel On		
4:10:59 AM	14950 Catalina St San Leandro CA US	Diesel Off		01:37:52
5:26:09 AM	2100-2198 Bienati Way Oakland CA US	Diesel On		
5:35:33 AM	3403 Fruitvale Ave Oakland CA US	Diesel Off		00:09:24
5:36:09 AM	3403 Fruitvale Ave Oakland CA US	Diesel On		
5:43:45 AM	2100-2198 Bienati Way Oakland CA US	Diesel Off		00:07:36
5:56:01 AM	2330-2350 Broadway Oakland CA US	Diesel On		
5:59:50 AM	2337 Broadway Oakland CA US	Diesel Off		00:03:49
3:31:47 AM	154-164 The Embarcadero SF CA US	Diesel On		
3:38:50 AM	154 San Francisco Bicycle Route 5 SF CA US	Diesel Off		00:07:03
3:54:46 AM	39 Pier 39 Concourse SF CA US	Diesel On		
7:18:38 AM	39 Pier 39 Concourse SF CA US	Diesel Off		00:23:52
7:39:51 AM	39 Pier 39 Concourse SF CA US	Diesel On		
7:47:02 AM	39 Pier 39 Concourse SF CA US	Diesel Off		00:07:11
3:11:46 AM	944-1000 The Embarcadero SF CA US	Diesel On		
3:13:12 AM	944-1000 The Embarcadero SF CA US	Diesel Off		00:01:26
3:44:43 AM	3337 Steiner St SF CA US	Diesel On		
3:49:41 AM	3325 Steiner St San Francisco CA US	Diesel Off		00:04:58
3:04:40 AM	2080 Van Ness Ave San Francisco CA US	Diesel On		
3:23:25 AM	1665 Pacific Ave San Francisco CA US	Diesel Off		00:18:45
1:18:19 PM	2090 Farallon Dr San Leandro CA US	ESB Off		11:22:42

Report example of the GPS fleet tracking solution

The hardware used is [CalAmp LMU-3030](#). [Geometris 87 series OBD2 solution](#) is currently being tested.

Results

DCS has provided the client with the advanced GPS fleet tracking solution that meets all the requirements of the California state. And, of course, in addition, this solution serves not only the local requirements but offers cold chain GPS tracking to local businesses to control their delivery conditions.

According to the top management of 2Track, DCS offered not only the back end and front end software solution for the company, but also the necessary infrastructure to make servicing the CARB possible.

✓ Compliance with state laws

Now the client offers a complex solution working completely in line with the environmental laws.

✓ Climate change control

The savings provided by the project cannot be measured in dollars, but in clean air.

✓ Environmental bonuses

The progressive environmental policies implemented by the state of California will benefit local people for years to come.

Company profile

🏆 IoT project of the year nomination: Other

Country: USA

Industry: Cold chain monitoring

Solutions

 Wialon

Hardware

 LMU-3030

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