COMFORT TEMPERATURE MANAGEMENT

Passenger comfort through temperature monitoring

Overview

Buses' climate control is very challenging due to large vehicle capacity and the high requirements demanded by passengers and customers.

Passenger comfort is a main objective, hence the importance of being able to monitor the temperature in real time along the trip to determine if the comfort conditions are optimal, or to detect an HVAC system failure, ensuring passenger satisfaction and avoiding service complaints.

Problem

Achieving a comfortable indoor temperature is the main problem in passenger transport due to external climate factors or HVAC system deficient operation.

Passenger complaints will be constant if temperature comfort is not guaranteed along the trip.

- Why do we have customers temperature complaints along the trip?

- Why do we have so many HVAC system components repairs and replacements?
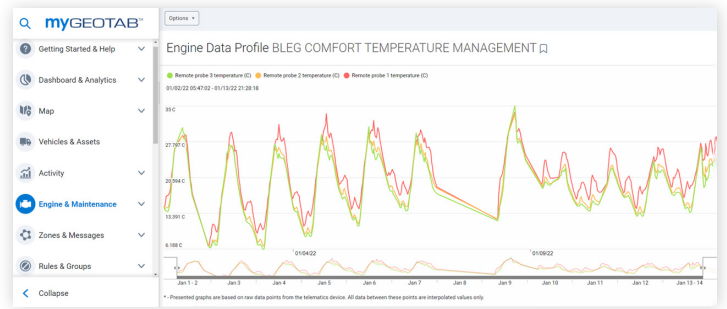
Solution

To meet this challenge and enable carriers to ensure passenger comfort, Didcom has developed a real time remote temperature monitoring solution with Bluetooth Low Energy sensors.

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Temperature sensors can be fixed in different areas of the bus to know the temperature behavior in different zones of the vehicle, establishing monitoring automation and notifications linked to every temperature record with real-time positioning information for the precise decision making.

The temperature log records are obtained through Didcom BLEG and transmitted in real time via the GO device, which will send all the information to MyGeotab.

→ Benefits

Supervise and ensure passenger comfort through temperature monitoring with bluetooth wireless temperature sensors to make the comfort traceability along the trip more reliable and guarantee customer service satisfaction.

This solution makes it easy to obtain detailed information about the entire trip, reducing service complaints and ensuring passenger comfort.

All time comfort level control

Guarantee service comfort level to passengers and contracting client

Detail temperature audit along the trip

Elimination of service claims expenses

→ Features

- Fully integrated to **my**GEOTAB functionality

- Rules and notification settings and configuration

- Up to 4 temperature sensors (zones)

- 100% autonomous sensors with configurable intervals for measure and record

- Keep detailed control of ambient temperature ranges in bus different regions

- Measuring range from -40°C to 85°C

- Up to 18 years autonomous battery operation

- Easy connection to Geotab GO via IOX

- Quick and easy installation