



## Saving Lives by **Monitoring Vital Statistics** of Aircrafts in Motion



### **Client Business Description**

- ◇ OEM of on-board diagnostic equipment for General & Civil Aviation.

### **Background**

- ◇ Guardian Avionics is an OEM (For Cessna / Cirrus) of on-board CO Detection equipment, Pulse Oximeters & BT enabled GPS devices for Civil Aviation.
- ◇ It is the first company to have developed a reliable CO detector for Aviation having FAA-TSO Certifications.

### **Challenge**

- ◇ Dangerous levels of CO in airplanes has caused many pilot error accidents and deaths over the years.

### **Idea**

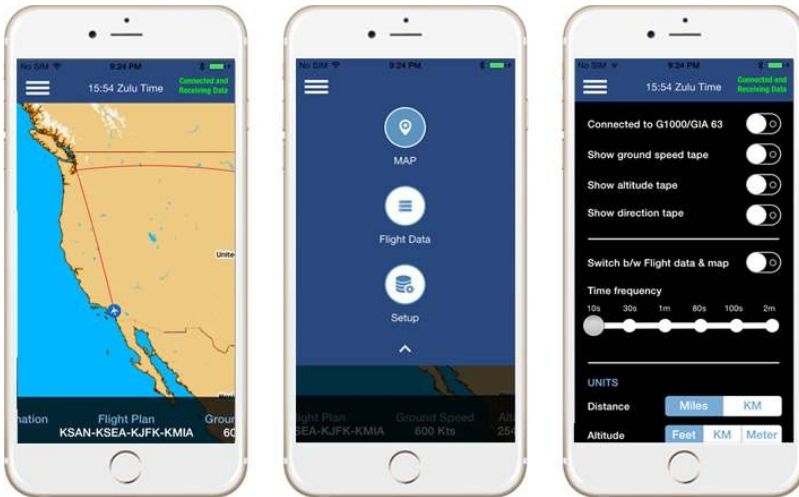
- ◇ To put all pilots and passengers at ease regarding the detection of Carbon Monoxide in aircraft, iPad platform was chosen to implement the mobile applications.
- ◇ To create a set of application that can be used by passengers and pilots to monitor vital statistics for aircraft in motion.

## Our Solution

- ◇ Mobile Pundits developed a Passenger App integrating the hardware over BT. Once connected passenger will receive live data of flight plan, air speed, altitude, distance and time remaining to destination. The app supports drawing Offline Maps.
- ◇ The Pilot version of the Smartphone App can read and display data from hardware like CO, Cabin Temp & Altitude, GPS, Gallons remaining, Oil Temp, Exhaust Temp, Fuel flow, Turbine Temp, Compressor Discharge Temp, Cylinder Head Cooling Rate, % Horsepower, Induction Air Temp etc.

## Technologies Used

- iOS
- .NET
- RESTful APIs
- Microsoft Azure



## About Mobile Pundits

Mobile Pundits is an ISO 9001:2008 Certified, leading provider of end-to-end Mobile Development & Testing solutions.

Since over 15+ Years now, Mobile Pundits' expert team has been helping our Clients with:

- ◇ Enterprise Mobility Strategy & Consulting
- ◇ Mobile Application Development
- ◇ Mobile Product Development
- ◇ Mobile Application Porting
- ◇ IoT (Internet of Things)
- ◇ Cross Platform Development
- ◇ Responsive Web Design & Development
- ◇ Mobile Testing

15+ Years

of Mobile Development

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