# YAMASEE

## Turbulence and Weather Management in Commercial Aviation

Yamasee was established in 2015 by pilots who have set their vision on solving the turbulence problem.

The aviation community has been trying to come to grips with CAT (Clear Air Turbulence) For over 30 years. The available data is cumbersome, elusive and unreliable in guiding pilots in midair, raising major questions in the commercial aviation.

The SKYPATH app answers these questions by presenting real time turbulence conditions along the planned route, enabling airline planners and pilots to optimally and economically avoid severe conditions.

As the app gathers information including altitude, it provides turbulence condition data for different altitude layers.

Airline pilots are equipped with Electronics Flight Bags (EFB) tablets with which they perform many tasks during flights. By using the Skypath app on their iPads, they become part of the crowdsourcing solution. This enables both pilots and planners to utilize realtime access to turbulence conditions.

# OUTSMARTING
# TURBULENCE
# IN REAL TIME

## SKY·PATH
### BY YAMASEE

# SKY·PATH
BY YAMASEE

## GAME CHANGING TURBULENCE SOLUTION
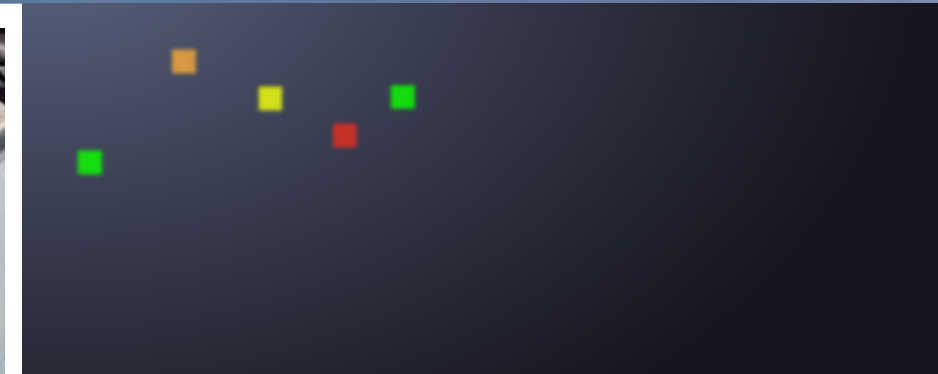## REAL TIME TECHNOLOGY

## SKYPATH

SKYPATH is a crowd sourced data driven app which provides pilots automatics sensing of turbulence and display for commercial aviation.

Crowd sourced
Plug and play
No hardware

## REAL TIME

## THE ULTIMATE SOLUTION
## TO AVOID TURBULENCE

Assists pilots to see what's ahead

Enables pilots to choose safe route or altitude

Allows pilots to prepare cabin crew

## TECHNOLOGY

SKYPATH'S crowdsourced, network - based system transmits accelerometer and GPS real time data collected via EFB or other mobile device to a server and back to users

**Planes collect data**

**Server**
• Server compares data from planes
• Algorithm color codes areas by time and priority

**SKYPATH**
• iPad sensors detect turbulence
• SKYPATH algorithm removes noise
• Data packet sent per tile
• Tile size: 10 miles, 2,000 ft .

**Turbulence Data Disseminated**