



**CEFA**  
**AMS**

AN **EFB** SOLUTION

**TURN EVERY FLIGHT INTO  
A LEARNING OPPORTUNITY**

Enhance training and improve  
safety by fostering self-improvement  
and knowledge-sharing

# RETHINK POST-FLIGHT CREW DISCUSSIONS

Traditional post-flight debriefings rely on pilots to recall their experiences and perceptions, which are influenced by stress and time.

CEFA Aviation Mobile Services (AMS) EFB solution provides an objective debriefing tool, transforming real-life flight data into actionable insights.



## WHAT IS CEFA AMS?

CEFA AMS is a cutting-edge EFB tool designed to enhance pilot training, performance, and safety.

As a cloud-based solution, it compiles raw binary data from flight data recorders, analyzing hundreds of parameters to generate detailed 3D animations and performance graphs.

Pilots gain immediate, secure, and private access to flight-related information, giving them a realistic view of their flights, like a mirror of reality.

This tool facilitates data-driven post-flight analysis and proves valuable in training and routine line operations by improving information sharing at the individual, crew, and organizational levels.

## BEYOND MEMORY: OBJECTIVE FLIGHT DEBRIEFING

Traditionally, post-flight reviews depend on subjective perception.

CEFA AMS enables pilots to compare their experiences with objective flight data, offering a clear and accurate understanding of flight events.

By prioritizing “observation windows” — key moments in everyday flight operations — CEFA AMS helps pilots identify potential risks and develop proactive behavior.

## IMMERSIVE 3D FLIGHT REPLAY

CEFA AMS transforms flight data into an engaging, movie-like 3D animation, recreating:

- ✓ Instrument displays and cockpit warnings
- ✓ Pilot actions and aircraft maneuvers
- ✓ Environmental conditions and atmospheric factors
- ✓ Aural alerts and system changes

## KEY BENEFITS

- **Instant, Unbiased Discussions**  
Crews can analyze flights using real-world data.
- **Clear Understanding of Complex Flight Phases**  
Pilots can analyze intricate maneuvers and improve situational awareness and decision-making.
- **Competency-Based Assessment and Evidence-Based Training**  
Enables instructors and pilots to generate animations from any flight moment, transforming real-life situations into valuable training insights.
- **Data-Driven Safety Enhancements**  
Enables pilots to refine best practices and mitigate risks through real-world analysis.
- **Individualized Training & Cost Savings**  
Enhances line training efficiency, potentially reducing time and expenses.
- **Streamlined Knowledge Sharing**  
Facilitates airport familiarization and optimal adoption of procedures.

## FEATURES

- **3D Flight Replays**  
Accurate visuals of cockpit instruments, warnings, and flight environment with weather conditions and cockpit window view.
- **Pilot Action Visualization**  
Displays pilot hand movements to distinguish between expected automation changes and manual inputs.
- **Performance charts**  
Display trajectory details, flying performance and fuel efficiency.
- **Real-Time Analysis**  
Access flight replays and data within minutes of landing.
- **Secure and Private Access**  
Ensures data confidentiality.

## THE FIRST PILOT APP FOR ON-DEMAND FLIGHT REPLAYS

CEFA AMS offers each pilot confidential and secure access to exclusive real-flight data, fostering autonomous learning and self-improvement.

Built on CEFA Aviation's two-decade legacy in aviation data visualization, CEFA AMS leverages the pioneering technology of CEFA FAS (Flight Animation System), trusted by over 100 airlines worldwide.



## WHAT CLIENTS ARE SAYING

**Groundbreaking!** A safety and training tool for cadets and line pilots alike.

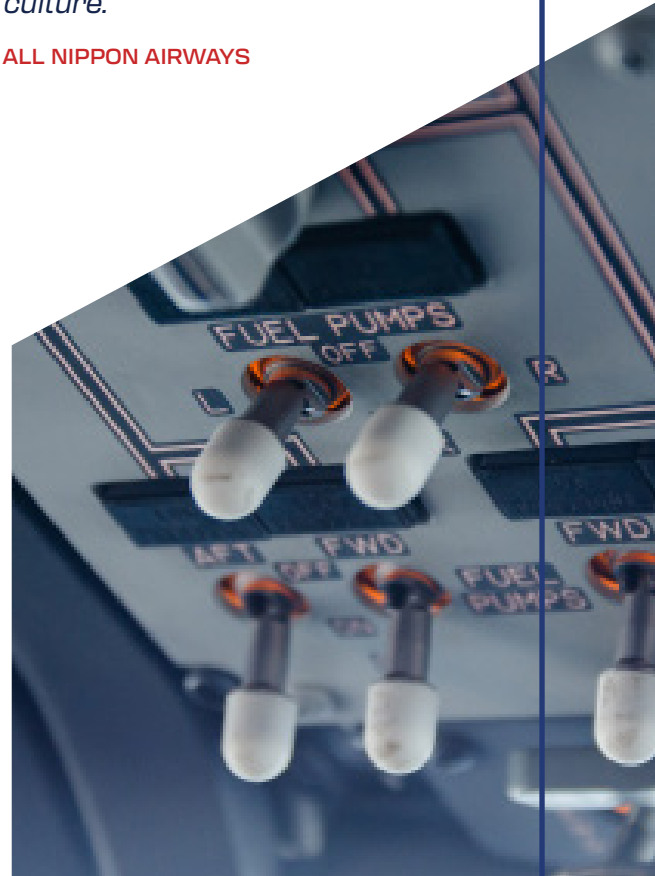
**RYANAIR**

**CEFA AMS** enhances pilot feedback and strengthens safety assurance.

**AMERICAN AIRLINES**

**CEFA AMS** has revolutionized our approach to debriefings and safety culture.

**ALL NIPPON AIRWAYS**



# COMMON QUESTIONS ABOUT CEFA AMS

## What are the benefits of reviewing flight immediately after landing?

CEFA AMS provides flight animations shortly after landing in a secure environment, allowing crews to:

- ✓ Analyze outcomes together while the flight context is still fresh
- ✓ Foster understanding and sharing of best practices
- ✓ Identify subtle or minor occurrences usually not detected by standard FDM software

## How can “Learning from all operations” be implemented at the pilot level?

Learning from all operations is key to safety. CEFA AMS offers:

- ✓ Enhanced Communication & Understanding
- ✓ Increased voluntary reporting rate and accuracy
- ✓ Proactive Safety Insights from statistical trends

## What are the advantages of using animations during debriefing?

Animations enhance training by:

- ✓ Guiding trainees to identify mistakes and develop corrective actions.
- ✓ Improving on-the-job learning by making skill acquisition more effective.
- ✓ Allowing pilots to revisit performances, compare them with written debriefing, and set goals for future flights.

Contact us today at  
[ams@cefa-aviation.com](mailto:ams@cefa-aviation.com)

or visit  
[www.cefa-aviation.com](http://www.cefa-aviation.com)

## How can CEFA AMS support Competency-Based Training & Assessment/Evidence-Based Training (CBTA/EBT) during line operations?

CEFA AMS captures real-world moments influenced by external factors, enabling pilots and instructors to:

- ✓ Use real flight occurrences to create training visuals and debriefing support.
- ✓ Enhance situational awareness, communication, and teamwork.

## What is the advantage of the hand tool in CEFA AMS?

The animated hand feature:

- ✓ Tracking crew hand movements in real-time to visualize pilots' actions.
- ✓ Assessing the workload and work distribution of the crew.
- ✓ Understanding of the application of procedures.

