

BEA PLACES ITS TRUST IN CEFA AVIATION!

THE ALSACE-BASED SOFTWARE DEVELOPER WINS BUREAU D'ENQUÊTES ET D'ANALYSES CONTRACT

Colmar, 30th January 2018



CEFA Aviation got off to a flying start in 2018! Starting this year, its CEFA FAS [Flight Animation System](#) will be the software used by BEA, the bureau of investigation and analysis for French civil aviation safety, which is known the world over for its reliable air accident and incident investigations.

BEA
Bureau d'Enquêtes et d'Analyses
pour la sécurité de l'aviation civile

The Alsace-based SME won the contract to supply BEA with its state-of-the-art CEFA Flight Animation System. CEFA FAS recreates the flights using synthetic imaging, based on the planes' flight recorder and black box data and incorporating a wide range of investigation tools. Since its inception in 2000, CEFA Aviation has gained a reputation with the flight safety departments of over 80 major airlines and, with the 2017 launch of its innovative CEFA AMS ([Aviation Mobile Services](#)), it expanded into pilot training. This new contract sees it grow its presence in a third area: investigation.

What clinched the deal? According to [Rémi Jouty](#), Director of BEA: "We chose the CEFA FAS software because it meets all our requirements. Primarily, animating the flight data will make it easier for us to communicate the results of our investigations, which is an integral part of our missions. With CEFA FAS, we will be able to create better reconstructions of the flights we analyse and understand faster what caused the problems by highlighting the sequence of the pilots' actions and the technical incidents and faults."

“Reproducing flight data as animations is not an easy task. The data are complex and vary a great deal according to factors such as the type of plane, the flight recorder and the airlines. But absolute accuracy is required,” said Dominique Mineo, CEO and founder of CEFA Aviation. “With some 20 years’ experience in this area, our in-house engineers are highly professional. We are particularly proud to have won this contact with such a prestigious air accident investigation bureau of international renown.”

The CEFA FAS software is unique in that it offers over 30 cockpits and high-precision instrument displays, is easy to use and has a broad spectrum of functions. For instance, it can be used to recreate the weather conditions, right down to the type of cloud and the external light. Navigation maps can be incorporated, alarms and other plane noises accurately reproduced and each of the flight parameters analysed separately. With all these options, the investigators can place themselves in the shoes of the pilot to better understand the action taken. BEA will be supplied with customised software to meet its specific requirements. CEFA FAS is the closest you will get to the real thing.

IACO, the international regulating body for accident investigations, specifies that “the sole purpose of an investigation (...) is to prevent future accidents and incidents.” BEA’s primary mission is to improve aviation safety by publishing reports and recommendations based on its investigations and enquiries. Together, CEFA Aviation’s realistic animations and BEA’s expertise will help make the sky safer each day.

About

CEFA Aviation enhances pilot training and flight safety by developing world-leading 3D animation software and services. The innovative solutions developed by its experts recreate flights with high detail and accuracy based on data from aircraft flight recorders.

More than 80 major and regional airlines, cargo operators and investigative authorities on five continents are using the core software of the company, CEFA FAS (Flight Animation System) for pilot training and safety analysis.

Translating flight data into precise visualization requires in-depth understanding of the complexity of aircraft systems and software engineering. CEFA Aviation has been a pioneer in easy-to-use flight data animation since Dominique Mineo founded the company in 2000. Its long-lasting success is attributable to a passion for aviation and innovation, listening to its clients, and delivering gold-standard support. The CEFA Aviation team is headquartered in the Alsace region of France.

At the Dubai Airshow, CEFA Aviation will unveil a new breakthrough visualization tool to further enhance and personalize pilot training.

 www.cefa-aviation.com

Video (French): <https://www.youtube.com/watch?v=RxcyxOri38U&feature=youtu.be>

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Pictures:

- CEFA FAS (Flight Animation system) software selected by the BEA (© CEFA Aviation)
- CEFA Aviation logo
- BEA logo

The **Bureau d'Enquêtes et d'Analyses (BEA)**, the French air accident investigation body for civil aviation safety, is the French authority responsible for Safety Investigations in the civil aviation field. The sole aim of the Safety Investigation is to prevent accidents and incidents. It includes the collection and analysis of information, the presentation of conclusions, including the determination of the causes and/or contributing factors and, where appropriate, the issuing of safety recommendations.

Establishing the causes does not imply apportioning blame or administrative, civil or criminal liability. The BEA's mission is carried out in accordance with European Regulation 996/2010 and separately from any judicial inquiry being carried out on the same accidents and incidents.

Founded in 1946, BEA comes under the French Ministry for Transport. It has a staff of 94, including some 50 investigators (2016 figures). It is based at Bourget airport near Paris and has branches in Toulouse, Aix-en-Provence, Rennes, Lyon and Bordeaux, enabling it to offer a faster response throughout mainland France.

 www.bea.aero

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