

# AIRBORNE

AIRBORNE is a leading domestic provider of overall protection solutions for lightning and strong electromagnetic environments.



**“The 3D electromagnetic simulation enables us to analyze aircraft lightning attachment phenomena at lower cost and in shorter time.”**

— Xiu Xiong, Vice General Manager, Airborne

## Challenge

Though the physical lightning test of an aircraft seems natural it is very expensive since the model aircraft produced is often damaged after the test and cannot be reused.

## Solution

Airborne adopted SIMULIA CST simulation software to analyze aircraft lightning attachment phenomena. They combined physical testing with electromagnetic simulation to improve the analysis and prediction ability of aircraft lightning protection.

## Benefits

The company can effectively reduce the number of tests, shorten the development cycle, and quickly provide lightning protection solutions for customers. With CST's powerful analytical capability, the software also enables a more in-depth understanding and optimization of the lightning protection design in order to improve performance.