



AVIATION EMBRAER

CASE STUDY



EMBRAER WITNESS:

"By using MADYMO Embraer not only saves time and costs in developing and certifying new seat layouts for our Regional Jets but also saves time and costs while reducing risks on seat installation for new Programs."

*Sergio Soares
Product Development Team Leader, Structures/Interiors*

DESCRIPTION

Seat Layout Certification: Each new seat layout requires demonstration that no head impact conditions exist or that any head impacts result in HIC values below 1000, traditionally accomplished through testing. Embraer uses MADYMO in support to Certification to accomplish this goal.



VALUE

By using MADYMO Embraer can experiment with various layouts to maximize passenger capacity without the need for costly testing. This yields higher revenue capacity for Embraer's clients.

By dramatically reducing the Certification costs required for HIC-testing each new seat layout configuration, Embraer can increase the customization of their aircraft to suit more clients at a fraction of the cost, thus making them more client oriented and competitive in the market.

FINANCIAL BENEFITS

Testing HIC for each new seat layout may cost \$300,000+, which can often be completely eliminated using MADYMO.

madymo[®]

For more information, please visit us: www.tass-safe.com

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The logo for TASS features the word "tass" in a bold, lowercase, sans-serif font. The letter "a" is white with a yellow dot. Below "tass" is the tagline "beyond safe" in a smaller, lowercase, sans-serif font, with "beyond" in white and "safe" in yellow.

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