3DCS technology helps new Embraer 190 airplane to deliver support for JetBlue's Live TV System

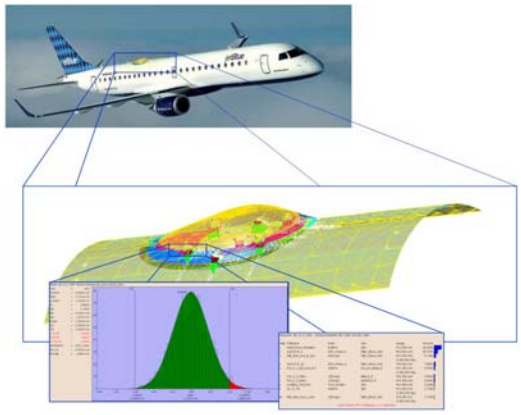
Embraer successfully implements 3DCS tolerance simulation technology in the design of the custom made Live TV Radome used in the new Embraer 190 JetBlue Fleet.

Troy, MI USA, USA--(BUSINESS WIRE)— December, 2005—Dimensional Control Systems, Inc. (DCS), announced today that Embraer – Empresa Brasileira de Aeronautica SA (ERJ), successfully implemented 3DCS software in a groundbreaking use of tolerance analysis on the design of the EMBRAER 190 Live TV Radome.

The Live TV Radome (**radar dome**) is used to protect the antenna, which sits on top of the E190 fuselage. The structural Radome assembly consists of about 50 parts with over 150 key tolerance specificiations. It was Embraer's first production usage of 3DCS CAA V5 Based software on a totally new development project.

The main purpose of the tolerance analysis was to assure and improve final product quality. The analysis results justified the need of design changes to accommodate dimensional variation. The amount of predicted variation identified the need to change gap and seal specifications as well as helped optimize hinge designs to guarantee no pre-stress and increased product life. The software also supported the definition of pre-manufactured shims now used in production. 3DCS also helped Embraer find possibilities to use "coordinated assembly" minimizing tooling which lowered production costs with guaranteed product quality. Additionally, tolerance analysis and simulation techniques motivated and supported process development strategies to guarantee process variation compensation on composite tooling design.

Daniel C. da Silva, Embraer Tolerance Analysis Team Leader "The 3DCS technology brought our commitment to product quality and safety by design to an even higher level. The tool not only can quantify our technical decisions but truly helps our IPD teams to numerically and visually discuss spatial dimensional variations and its management early in the design phase. These facts, together with an integrated Catia V5 environment, intensive technical training and the DCS top support and development service were the key to our success in this custom development for JetBlue, one of our key EMBRAER 190 customers."



Robert A. Kaphengst, Dimensional Control Systems President and CEO "We are pleased with Embraer's decision to implement 3DCS tolerance analysis software. Our integration into CATIA V5 gives our customers the ability to quickly analyze their designs for dimensional variation without ever having to leave the CAD system."

In summary, the use of 3DCS on the new airplane provided Embraer with a digital tolerance analysis model of the Live TV Radome to address, identify and correct dimensional issues prior to the start of production. Improved product quality, product life as well as process maturities were achieved prior to serial production saving Embraer both time and money. Embraer continues to expand its usage of 3DCS on new projects.

About Dimensional Control Systems, Inc. (DCS):
Dimensional Control Systems, Inc. (http://www.3dcs.com/) is a world-class provider of Dimensional Engineering consulting services and software solutions. DCS, established in December of 1994, is a privately held company, by Robert A. Kaphengst, President and CEO, and John H. Mathieson, Executive Vice-President and COO. Leading organizations such as General Motors, DaimlerChrysler, Mitsubishi, Lockheed Martin, Northrop Grumman, Boeing Corporation and major tier 1 and 2 suppliers throughout the world have chosen DCS and its software solutions to optimize product and process design and manufacturing processes, thus improving quality and reducing overall costs. DCS provides organizations with full service "turnkey" dimensional quality solutions that outfit themselves into the Design for Six Sigma Initiatives. 1DCS, DCS-DFC, 3DCS, GDM-3D, 3DCS CAA V5 Based, are all trademarks of Dimensional Control Systems, Inc.

About Embraer:
Embraer (Empresa Brasileira de Aeronáutica S.A. - NYSE: ERJ; Bovespa: EMBR3 and EMBR4) is the world's leading manufacturer of commercial jets up to 110 seats with 36 years of experience in designing, developing, manufacturing, selling and providing after sales support to aircraft for the global Airline, Defense and Business jet markets. With headquarters in São José dos Campos, state of São Paulo, the company has offices and customer service bases in the United States, France, Portugal, China and Singapore. Embraer is among Brazil's leading exporting companies. As of June 30, 2005, Embraer had a total workforce of 16,878 people and its firm order backlog totaled US$ 10.9 billion.