Aircraft Systems Engineering Overview

To design and develop an aircraft it is necessary to spend a huge amount of engineering hours to perform all safety and technical analysis, required by the Certification Authority, to guarantee its safety operation.

This presentation has been compiled based on the ARP 4754A, an aeronautical guideline that establish a development processes supporting the certification of Aircraft Systems. Herein you will have a big picture about the Aircraft Systems Development life cycle, starting over the market analysis/requirements through the aircraft flight tests.

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About the Author

Lucas de Carvalho Ribeiro is a Electrical Engineer with Master degree in Systems and Control and PhD student in Microelectronics. It is also a Embraer Employee working at Belo Horizonte office, in Minas Gerais State, with embedded software validation and verification.

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Institutional Presentation

We are one of the largest aerospace companies in the world. Over our 45 years in the aerospace business, we have operated in the design, development, manufacture, sale and after-sale support stages of aircraft for the commercial and executive aviation markets, as well as offering integrated solutions and systems for the defense and security industry.

In this presentation you will have an company overview and get a better understanding about our business, products and services.