



SCADE Suite

A Design Story

After the successful use of SCADE on the A340, AIRBUS adopted it for several A380 projects



Most of the Airbus A380 on-board computers developed by AIRBUS and its suppliers benefit from SCADE technology.



*“ SCADE Suite is used by Airbus and many of its main suppliers for the development of most of the **A380** and **A400M** critical on-board software and for the secondary flying command system of the **A340-500/600** aircraft, in operational use since August 2002 ”*

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Airbus started to use SCADE in the late nineties for several DO-178B level A controllers of the **A340-500/600**, including the **Flight Control Secondary Computer** and the **Electric Load Management Unit**. It triggered several benefits, in particular:

- » A **significant decrease of coding errors** due to the extensive use of automatic code generation. For the Airbus A340 project, up to 70% of the code has been automatically generated.
- » **Shorter requirement change** to in-flight test loops, with an improved traceability.
- » A major **productivity improvement**, which is particularly significant considering that the size of software doubles with each new Airbus program.

Having achieved significant savings on the overall design cycle, Airbus chose SCADE for **A380 projects**.



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