

> Technical documentation

The industrial organisation set up around Sogitec and its partners generates a complete, interactive and consistent digital database.

VPM + CATIA + DOCTEC WINNING TRIO FOR THE FALCON 7X



Introduction of Dassault Falcon 7X s/n 001 to an audience of 800 guests at Charles Lindbergh Hall at Dassault Aviation's Bordeaux-Mérignac facility on February 15, 2005.

In addition to the design of the latest member of the Falcon family in the form of a digital mock-up, another step forward has been made, less spectacular, one must admit, but just as important for the future users of the aircraft: fully digital technical and maintenance documentation, produced by a team of partners led by Sogitec. Consequently the users have a permanently available documentation updated via periodic revisions by simple certified downloads or by the sending of DVDs containing the descriptions, the illustrated parts catalogs and the step-by-step procedures of the work cards.

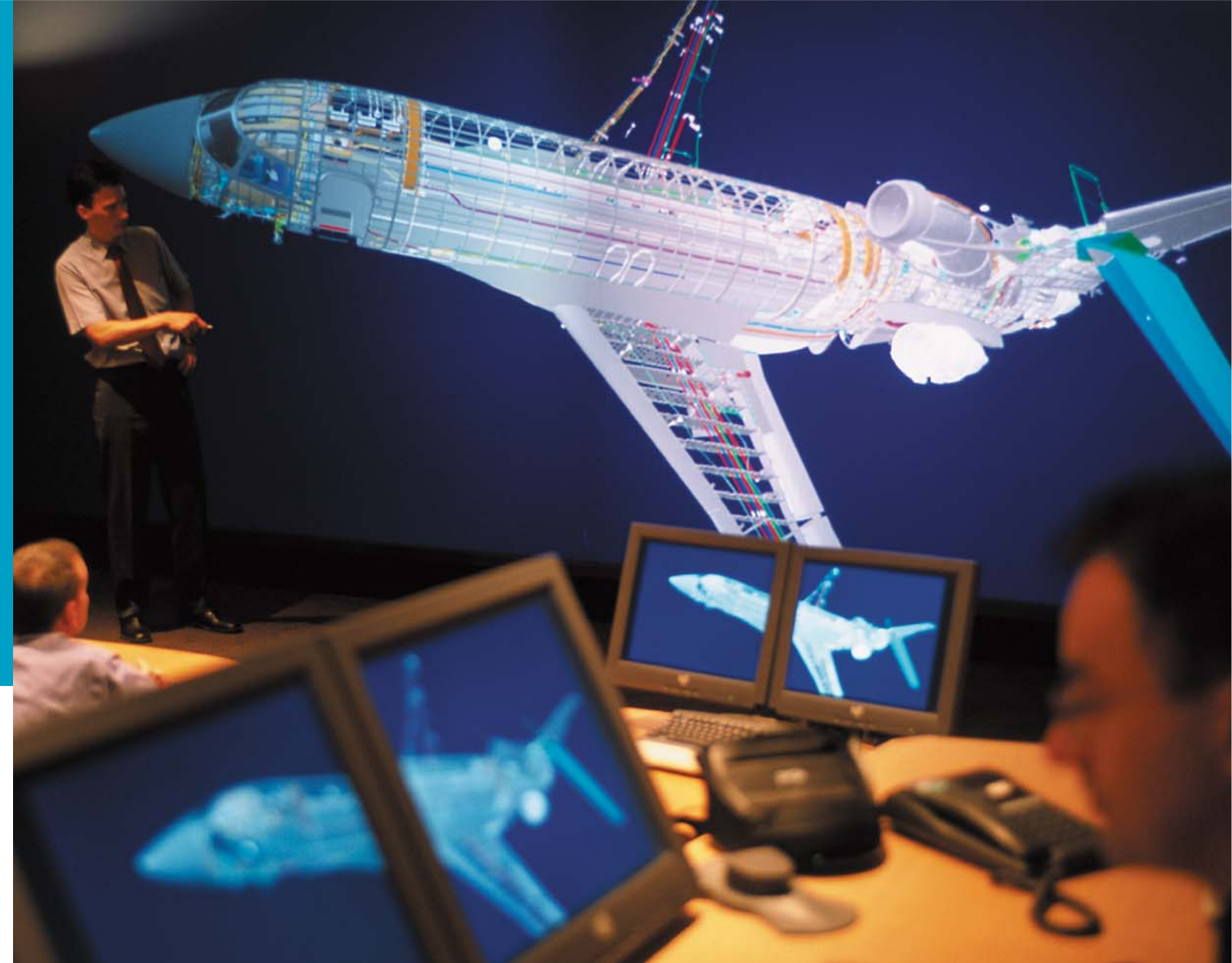
Sogitec, the hub of the industrial partnership

The core of the technical and maintenance documentation represented by Sogitec and its partners for the aircraft's customers is constituted by a high-performance trio: the VPM (Virtual Project Management) system and Catia (CAD software), both by Dassault Systèmes, and DocTec, an integrated documentary base management system, by Sogitec.

Sogitec has been entrusted with the constitution of the industrial database and the associated documentation portal for publication of the

documentation intended for Falcon 7X operators. An ambitious programme of partnership with all the manufacturers involved in the programme was set up for this purpose, with Sogitec being the central element.

The database is installed at Sogitec, which centralises and controls the documentary units (DU) consisting of texts and illustrations supplied by the partners. In accordance with the three scenarios of the industrial organisation, which is designed with the greatest possible flexibility (see diagrams page 8), the partners produce all or part of the written documentation for which they are responsible and integrate it, or not, directly in the database. The first partners using DocTec have already received the software and, after training periods which took place at the end of 2004, Sogitec began to receive the first DUs at the beginning of 2005. At the same time, technical writers and draughtsmen working on DocTec have improved their expertise so as to use the two sources, VPM and Catia, which are the real standards of the aircraft. One important point is that all of them use the database of the digital mock-up itself for the illustrations, thus making all the publications very homogeneous and consistent, as well as avoiding duplication of drawings. →

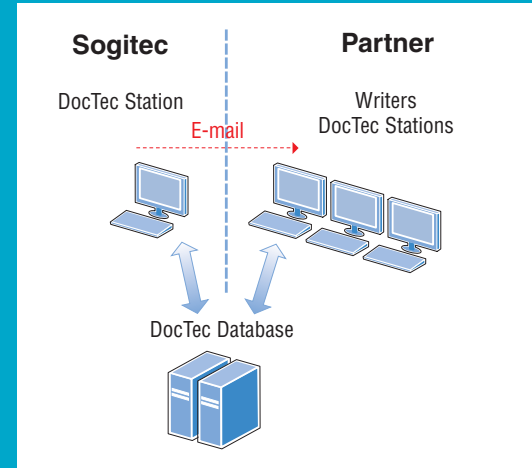


The new long-haul three-engine jet during assembling at Bordeaux-Mérignac facility. Equipped with an electrical flight control system and sophisticated avionics, which makes it one of the most advanced existing business jets, the F7X is also the first Dassault Aviation model entirely designed with a digital mock-up managed by VPM (Virtual Project Management) and produced with Dassault Systèmes Catia CAD software.

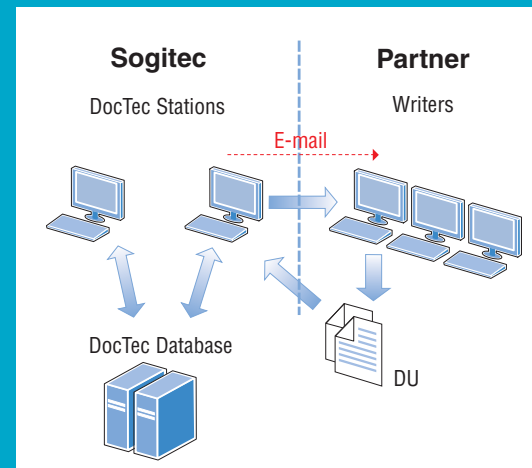


THREE SCENARIOS FOR A FLEXIBLE AND EFFICIENT INDUSTRIAL ORGANISATION

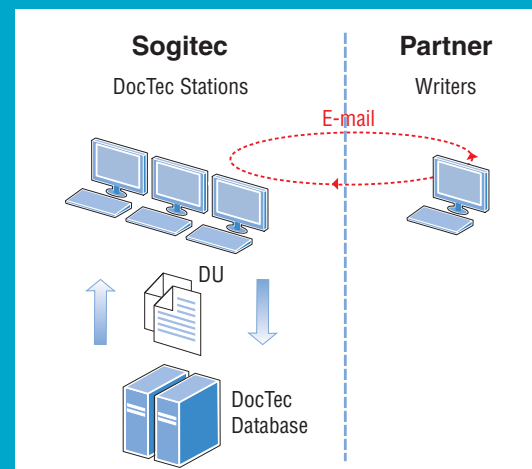
Scenario 1 – The partner is equipped with DocTec and authors and directly incorporates his documentary units (DU) in the database.



Scenario 2 – The partner rents a workstation at Sogitec and incorporates the DUs he has authored.



Scenario 3 – The partner entrusts Sogitec with the authoring and incorporation of his DUs.



→ Validation at all stages

All the manuals will thus be authored and published via DocTec: procedures, descriptions, parts lists, illustrated parts catalogs, tests, maintenance, structural repairs, wiring, ingredients (consumable products), etc. By the middle of 2006, all the aircraft technical documentation, authored in accordance with aviation standard ATA 2200, will already be integrated in the database. At all stages of production, the organisation set up around Sogitec will allow verification and validation of the overall consistency of the documentation, each DU being in particular accompanied by a validation file defined beforehand by the partner. ■

DOCTEC, AN INTEGRATED DOCUMENTARY BASE MANAGEMENT SOLUTION

Designed to manage complex databases and publish printouts or copies on a multimedia support for distribution, DocTec is equipped with servers, input tools and application software. It uses an XML text editor which is totally transparent for the writers, who thus enjoy great working flexibility. It also offers all the customisation possibilities wished by the users for their publications: engine maintenance (with lists of specific ingredients), documentation for cabin interior fitting, etc.