

TRAINING ON THE TIGER:

Sogitec's know-how and experience in aircraft pilot training means that today it can offer a complete system of Computer Based Training (CBT) for the future crews of the Franco-German Tiger helicopter.*

Intended to enter service with the French and German forces by the year 2003, the Tiger will represent a new generation of helicopters equipped with a multi-
role weapon system. This is an essential characteristic which obviously affects the method of teaching and training the future crews of pilots and gunners, and adds to the dual nature of the mission capabilities chosen by the command staffs: support/protection (HAP) and anti-tank (HAC).

Not wanting to take any chances, Sogitec appointed a specialist in training questions as project leader, with a brief to optimize the program technical coordination with the simulation specialists. Indeed, it considered it essential to provide a global and consistent solution for all the proposed training means, within the financial limits.

Sogitec's final aim will be ensure that the workload is shared with its partner, while selecting the most economically attractive offers from each company for equivalent respective skills.

TRAINING RESOURCES COMMON TO BOTH ARMED FORCES



In this context, the command staff of the two countries contracted a joint Franco-German organization – the ODT (OCCAR/Tiger Division) – to put out an invitation for bids for a full range of training resources covering the CBT* tools plus CPTs (Cockpit Procedural Trainer) and, at the top end of the range, FMSs (Full Mission Simulator).

These resources will be deployed on the ALAT's (French Army Light Aviation) facilities at Le Luc in the south of France (Var department), which will be housing the joint training school for the two forces, with courses given in both French and German.

By bidding jointly and on a par with CAE GmbH against another Franco-German tandem, Sogitec brings its extensive expertise in CBT (see inset).

EXPERIENCE AND STANDARD TOOLS



Sogitec has excellent references in the field of instruction and training, particularly in CAT (Computer Aided Teaching), a compromise between CBT* and classroom courses (instructors/trainees) which provides a certain level of interaction and clarity.

For the Tiger, Sogitec will use its multimedia equipment to aid course design and creation, and will produce CAT tools for the courses with instructors, but will also give the trainees the possibility of working alone.

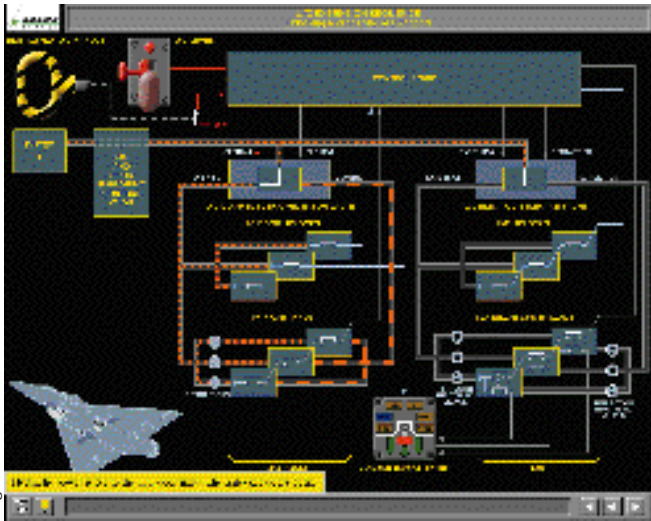
Sogitec's experience with CBT* enables it to enrich its proposal for the Tiger with innovative interactive simulation tools such as control sticks, throttle levers, weapon controls, etc.



CBT workstation for Mirage 2000-5.

Sogitec

SOGITEC'S EXPERIENCE



▲ Examples of Mirage 2000-5F CBT screens. ►

particular the German company Dornier, which is responsible for the mapping sub-unit for the different weapon system versions.

A dual benefit is thus envisioned: adaptability and perpetuation, well beyond the period when the first aircraft are set in service.

* CBT: Computer Based Training.

** See *Interactions* No. 16 - November 1997.



These additional elements available to the trainee pilots or gunners will supplement the teaching software and the instructor.

Sogitec can boast a number of achievements in this domain, notably in the APSIS** project for the training of Mirage 2000-5 pilots, which enables the main functions of the navigation and attack system to be transferred to a "beefed up" PC.

In general, the PC-based hardware and the author languages are market standards. The aim is to increase and optimize Sogitec's know-how based on its technological and teaching experience.

This continuation of what already exists will moreover be accompanied by the integration of the latest technologies – taken from the Internet and Intranet – in order to give the tools ascending compatibility, rendered all the more necessary by the fact that all the training resources shall be fully networked.

Sogitec also proposes carrying out certain CBT* developments in cooperation with the CAE GmbH's specialized subcontractors, in

SOGITEC'S OPERATIONAL EXPERIENCE IN CBT*

Sogitec's participation in the bid for the Tiger helicopter training equipment is essentially based along three directions:

- it has extensive teaching experience in pilot training, particularly for Mirage 2000-5, which spans many years,
- it uses CBT* tools which have also been operational for several years, such as APSIS** and its additional equipment which can integrate new technologies such as the Internet, and guarantee perpetuation of the course content for the user,
- its experience in the development of complex courseware in aeronautical systems which increasingly integrate synthetic instrument panels and complex weapon systems deploying several weapons simultaneously.

All these characteristics are found on board the Tiger, the first helicopter equipped with a true armed navigation system (autopilot and mission preparation system).