



# Computer Based Training

CBT is about improving knowledge and skills acquisition/retention for crews, technicians. CBT blends multimedia assets within a didactical and highly interactive application. It does not only improve safety but teaches the users to quickly solve unexpected events. It decreases the need for additional support and enables efficient team work in the field.

CBT allows focused digital learning in an international context where trainees exhibit a wide spectrum of various backgrounds, experiences and know-hows. After training is completed, all personnel share the same knowledge of aircraft systems whether they are pilots, weapon system officers, technicians or inspectors. CBT makes full use of interactive diagrams showing how the systems react in response to a stimulation. It also features real-time 3D graphics depicting sub-component locations within the aircraft.



DIGITAL  
INNOVATION FOR  
SUCCESSFUL  
FLIGHTS

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# Key Features

## **A DYNAMIC LIBRARY OF DIDACTICAL MATERIALS**

Sounds, videos, diagrams, text, 3D animations and dynamic technical documents are all integrated into didactic modules. Purpose, pre-requisites and scope of these training modules are documented, allowing instructors to create courses by selecting the appropriate modules. New content is inserted to remain consistent with aircraft changes.

## **AN ORGANIZED KNOWLEDGE BASE**

Flexibility is fundamental to the definition of training contents and is native into every module, allowing the system to fit all aircraft configurations and to satisfy all audiences.

## **TO SIGNIFICANTLY IMPROVE TRAINEES' KNOWLEDGE**

Blending together a variety of training content, linking training and technical documentation data, CBT ensures that all trainees receive and keep their knowledge up-to-date and sharp.

# Specifications

## **LEARNING EXPERIENCE**

Instructor-driven (see-through or academic)  
Trainee-driven (self-training or evaluation)

## **LEARNING MANAGEMENT SYSTEM**

Dashboard for curricula, classrooms and trainees  
Courses/trainees performance tracking  
Mistake tracking/debriefing

## **INTERACTIVE DIAGRAMS**

Crew/Technician panels and cockpit controls  
Subsystems and equipment functions/relations  
Dynamic animations to show how the system reacts  
Root causes and consequences of malfunctions

## **3D DISPLAYS**

Location of systems components/controls  
3D animations and special effects to depict systems behaviors  
Aircraft skin and compass

## **SOCIAL & GAMIFICATION**

Virtual expert advices  
Compatible with Virtual/Augmented/Mixed Reality devices

## **COURSES**

Instructor defined from a modular library of assets  
New content addition  
Aircraft configurations management

## **USAGE**

Courseware with or without instructor supervision  
Allows extra training for staff that would otherwise never have access to training

## **PLATFORMS**

Windows, Touch screen  
9 through 80 inches displays, networked classrooms  
Ultra HD graphics, highest frame-rate per second

**SOGITEC DIGITAL PIPELINE** encompasses CBT, VMT, HUMS & FIELD (Touch, Builder, Card, Booster, API).



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