

Evolutionary Virtual Training System - Streamline your pilot training investment of the future.

The unique and state of the art open architecture mission simulation system of the G 120TP allows the training of student pilots from initial all the way through basic flight training. With the pilots progress of skills, tactical missions with airborne simulations are now available. Possible previously only on light jet and or high performance turbo-prop trainers.

The 21st century cockpit concept, with a new dimension of download potential is on the market. Improving the quality of training while realizing enormous saving in live cycle cost, the G 120TP with it's Virtual Tactical Training System sets a new standard in military pilot training.

An increase in flight safety by minimizing the gap between basic trainer and the next trainer or operational weapon system and a smaller amount of aircraft inside training airspace due to the virtual targets is a great benefit of GROB's Evolutionary Virtual Training System.

Full military mission training capability.

A highly effective and low cost way to train flight students in the use of todays front line fighter-, helicopter- and transport aircraft mission avionics. The trainee will be able to plan the mission and operate the system elements by means of real or simulated panels switches and HOTAS identical to advanced mission aircraft.

Radar displays and operation, as available in front line fighters, are imitated, to give the trainee a comprehensive understanding of the system. Monitoring trainee's operation by the Instructor Pilot in the side by side cockpit is done with ease by following the trainee's actions across the cockpit while the Instructor Pilot can also utilize the same controls and displays to demonstrate every step of the training.

The G 120 is the only side by side training aircraft with Virtual Tactical Training capability for military aviator in the 21st century.



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VTT

Evolutionary Virtual Training System of the G 120TP



POWERED BY H3

Virtual Radar

The Virtual Radar “detects” and tracks simulated targets that are self-generated according to pre-defined scenarios. Radar familiarization, display and basic operation can be achieved while flying a single aircraft mission. A wide spectrum of modern mission aircraft radar modes are available. In addition, all other states of the radar, Power-up, Built In Test, and Shutdown can also be performed. Common controls of the radar, such as bars selection, Target Velocity Rejection Threshold and others, as exist in the imitated radar, are implemented and affect the simulation in the same way it would in „real life“.

Virtual Radar Warning Receiver

A VRWR provides a basic introduction in emitter display and their interpretation either stand alone or in combination with the VRDR or TSD. Advancing in training now even basic threat reactions and the effective use of virtual counter measures become possible.



Tactical Situation Display

Available thru a combination of a digital map and pre-defined area-, route-, and threat layers, GROB's TSD is an excellent simulation of a front line fighter display and aids to train the student in keeping Situational Awareness not only on the virtual battlefield.

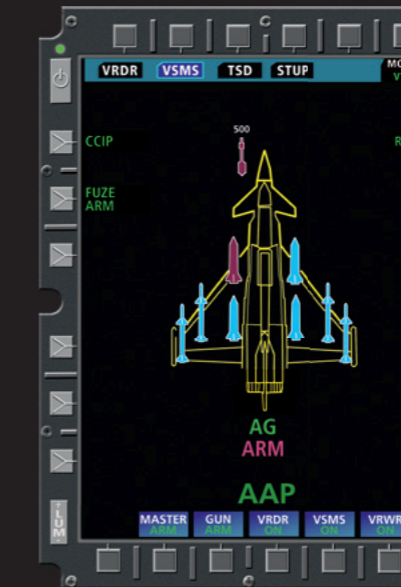


Virtual Stores Management System

Like in modern multi role fighter the VSMS is used by the trainee to monitor the status and to configure the individual virtual weapons on board the G 120TP.

Virtual Avionics Activation Panel

The VAAP allows the trainee to power up, shut down and monitor the status of individual sub systems. It is an excellent means to introduce the operational concept of modern military aviation avionics to a novice aviator.



Setup Page

Utilizing the set up page the instructor pilot has an easy and intuitive way to edit or create scenarios and thereby adapt to individual student training needs while in flight.

Flight Debriefing Capability

Flight debriefing and analyzing is one of the key components in today's training. This is especially significant in the G 120TP's VTT System because now, not only can actual flight events be debriefed, but virtual events as well.

