



AT SYSTEMS

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AT Systems Training Program:

The ATS Device was developed and designed to lower the accident rates in the helicopter industry and to save lives. AT Systems offers the best solution on the market. The ATS Device is part of an annual training program. Through the annual training program, AT Systems maintains the equipment and software, providing a turnkey training program for the end user at a yearly price that fits any operation.

ATS Device:

The patented ATS Device (US Patent 10249208) was developed allowing safe in-aircraft training of Degraded Visual Environments (DVE) and the resultant, Spatial Disorientation (SD), caused by these conditions. If preset parameters including; Pitch, Roll, Altitude and/or Vertical Speed; are exceeded the built-in safety system clears and removes the visibility limiting system from the field of view. The ATS Device uses an Attitude Heading Reference System that is completely self-contained. The Device does not require an attachment to any aircraft system. The Device is controlled via an iPad, which is included.

IIMC Training Modes

Programed Scenario Training – Effective training must be relevant and realistic. With quarterly updates created from real-world accidents the training pilot experiences conditions that have caused a previous accident.

Random Scenario – Each iteration changes the simulated conditions experienced by the training pilot. This allows an unlimited number of training iterations without duplicating the scenario.

Preprogrammed Point – Enables quick, realistic training to be developed regardless of mission set. When the aircraft arrives within 1 mile of the programmed point, a random ceiling and visibility reduction will begin to affect the flying pilot

Manual – Safety pilot can set and change the visibility and ceilings as desired.



IMC Training

The safety pilot is able to set take off and recovery weather, thus keeping the flying pilot in the training weather throughout the flight. The AT Systems approach to IMC enhances training to improve and maintain instrument proficiency.

Dust and Snow Landing Training

The system is designed to simulate Dust or Snow landings by obscuring the pilots vision based on algorithms using speed and altitude.

Equipment support

AT Systems will support any defect as well as damage from neglect (damage limits apply) caused by the end user. A replacement will be sent out after AT Systems has been notified of repair needs. Having a training system ready to go when your pilots are ready to train is a top priority for us.

Training Support

- Our staff is available to assist with creating effective training or system support.
- AT Systems continuously monitors industry trends and accidents sharing them with customers.
- AT Systems keeps aviators current on SD developments in the industry through
 - Current event updates
 - Quarterly SD accident reviews sent out to share with your aircrews, including topics to facilitate group Discussions
- Training techniques and best practices shared from across the helicopter industry.
- The ATS Device tracks individual pilots to assist the organization with internal tracking or to provide insurance Companies with proof of training for applicable discounts.

Customized solutions

AT Systems takes pride in catering to each individual operator. We do not believe a single solution fits every operator. While we believe our training system can benefit every helicopter operator, we know each operation requires a unique approach to fit their operations.

Small Operator Share Program

Our focus is affordability. For smaller operators, AT Systems offers a program which provides our patented system one month per quarter. Any effective training program requires relevant, realistic and regular training. This Share Program facilitates quarterly training of pilots with new training scenarios.

Larger Operator Annual Program

Large operators will have enough pilot training requirements to keep a device year around. Allowing pilots the ability to train at least quarterly must be the focus. AT Systems analyzes the needs of each operation to build a custom solution.

Helmeted Customers

Our patented training system is designed for use with the Gentex HGU-56 Family of Helmets. If needed, AT System can offer a package which includes a Gentex HGU-56 helmet or we can quote a price for you chosen helmet. The ATS Device is designed as a modular system and we will add additional helmet options as demand dictates.

Non-Helmeted Customer

Recognizing the industry's need for a non-helmeted solution, AT Systems has incorporated a "bump" helmet that fits around the most popular headsets in the industry. This allows the user to fly with the headset they are accustomed to with minimal deviations from their standard flying configurations. The non-helmet solution is not compatible with NVGs.

Compatibility

AT Systems helmeted solution supports most NVG and Synthetic Vision Options currently on the market.

Part 61 and 141 Training Programs

Each flight school operator has a unique operation. AT Systems programs can be catered specifically for each flight school. AT Systems is able to build a program unique to each university and flight school that best serves the student base.

Add on Components

AAR Recording and Playback – Our AAR station allows your aircrews to immediately debrief a training mission. This provides reinforcement of positive and review of negative performance. The AAR Station also frees up the safety pilot to allow a scenario to develop providing a better training experience for the pilot and a more thorough debrief.