

# ATFS-400<sup>TM</sup>

## SUSTAINED G AND DYNAMIC G TRAINING

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The ATFS-400 dynamically generates G-forces in all desired axes simultaneously to authentically replicate the stresses of the tactical flight environment.



**AIRCREW TRAINING**  
SYSTEMS

A large, white, cylindrical motion simulator is shown in a warehouse-like setting. It has a complex base with multiple hydraulic legs and is surrounded by various cables and equipment. The simulator is tilted at an angle, demonstrating its range of motion. The background shows a large, open space with a high ceiling and industrial lighting.

# ATFS-400

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THE SYSTEM LEVERAGES ON ADVANCED SIMULATION CAPABILITIES TO RECREATE A WIDE VARIETY OF TRAINING AND OPERATIONAL SCENARIOS, EXPOSING THE AVIATOR TO A REALISTIC FIGHT ENVIRONMENT WITH PHYSIOLOGICAL STRESSORS. A VARIETY OF TRAINING SCENARIOS AND PROFILES CAN BE CREATED TO SUIT THE NEEDS OF ALL PILOTS, FROM ENTRY LEVEL TO ADVANCED TACTICAL FLYING.

## COCKPIT

- Flyable cockpit with active flight controls
- Interchangeable cockpit modules
- Pilot breathing system configurable
- Simulated weapons system configurable

## APPLICATIONS

- Dynamic Flight Simulation for Tactical Training
- Pilot-controlled Dynamic G Training
- Conventional G Training
- Operational Research and Evaluation
- Spaceflight Training Configurable

## SYSTEM CONTROL

- Precise G axes alignment for Gx, Gy and Gz
- Motion algorithms for motion artifact reduction
- User customizable training flight profiles
- Independent Safety Computer and Interlocks
- Man-Rated Design



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