



ATFS-400™ "Phoenix" is a high fidelity, interactive, tactical aircraft cockpit that is integrated into a state-of-the-art high performance "flyable" motion system.

ATFS-400™ "Phoenix" modular design enables it to authentically simulate a tactical aircraft cockpit, dynamic performance, mission systems and interact in a virtual tactical environment, using ETC's unique G-Pointing® technology and Signature Technology™. Pilot inputs are processed by the ATFS-400™ "Phoenix"'s specific type/model/series aircraft aeromodel to command the multi-axis motion platform to correctly produce the inertial 'G' forces – onset/offset and sustained. ATFS-400™ "Phoenix" is specifically designed for Distributed Mission Training, and can be data linked to other like systems and HLA/DIS compatible full mission simulators to support mission rehearsal, currency training, multi-ship operations, and joint and coalition exercises. ATFS-400™ "Phoenix" authentically simulates the flight dynamics providing both the virtual (sight and sound) cues and physical stresses experienced during air combat maneuvering.

Bottom Line: ATFS-400™ "Phoenix" is the new technology in high performance aircraft flight simulation. NOTHING COMES CLOSER TO THE REAL THING!



The PAYOFF

- **Readiness: Contributor to Operational Preparedness/Readiness**
- **Readiness: Extended Aircraft & System Service Life**
- **Operational: Safely Fly to the Edge of the Flight Envelope**
- **Operational: Departure from Controlled Flight Training**
- **Acquisition: Reduced Wear & Tear on Tactical Aircraft**
- **Logistics: Extended Engine Service Life**
- **Operating Costs: Lower Cost to Train**
- **Operating Costs: Better Aircraft Utilization**
- **Training: Greater Confidence and Experience in High 'G' Environment**

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Aircrew Training Systems



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AS REAL AS IT GETS

without actually flying an aircraft

PROVIDES

- Realistic Air Combat Training
- Interdiction/CAS Training
- High Angle of Attack (AOA) Maneuvering
- Visual Tactical Maneuvering
- Departure from Controlled Flight Training
- Edge of the Flight Envelope Training
- Aircraft Handling with Simulated Combat Damage
- 'G' Readiness and 'G' Tolerance Training
- Mishap Investigation

REALISTIC AIR COMBAT TRAINING

- Realistic Training: high fidelity cockpits, visual display, sustained 'G' motion, aircraft specific aeromodels, and environmental
- Provides significant training and readiness credit for realistic tactical flight training
- Contributes to enhanced operational preparedness/readiness
- Provides a learning environment with authentic physical stresses and virtual experience



VALUE

- Significant cost savings per flight hour as compared to training in a tactical aircraft
- Greater efficiency, that is pilot tactical hands-on time (engaged, on range)
- More efficient access to "hands on" tactical maneuvering versus a tactical aircraft
- Elimination of risk in high 'G' training, both initial and refresher
- Controlled, safe and economical way to refine aircrew coordination skills
- Capability to optimize the tactical aircraft cockpit and affordably integrate weapons systems
- Reduces need to use aircraft for high 'G' readiness and training
- Maintain currency for high 'G' tolerance and training
- Allows better preparation for actual flying in exercises and missions
- Achieve training goals safely and economically while contributing to aircrew readiness

In Operation with
**Royal Malaysian
Air Force**
In Production for
**U.S. Air Force
& ROK Air Force**

