



# Flight Training Simulator

Flight Training Simulator is a configurable flight simulation platform designed to support pilot training, skill development, and operational readiness for fixed-wing and rotary-wing aircraft. It provides a realistic and controlled environment for practicing aircraft operation, flight procedures, aircraft systems, navigation, emergency situations, and mission-specific operations.

The platform can be configured across different levels of simulation fidelity, from Flight Training Devices (FTD) to high-fidelity Full Flight Simulators (FFS). It supports aircraft-specific cockpits, flight controls, visual systems, Instructor Operating Stations, motion platforms, and other simulation components according to training requirements.

## List of Capability

- Multi-Platform Aircraft Simulation
  - High-Fidelity Flight Dynamics
  - Aircraft-Specific Cockpit Simulation
  - Aircraft Systems and Avionics Simulation
  - Comprehensive Flight Training
  - Normal, Abnormal, and Emergency Training
  - Mission and Scenario-Based Training
  - Visual and Environmental Simulation
  - Instructor Operating Station (IOS)
  - Flight Control and Motion Integration
  - Performance Monitoring and Debriefing
  - Modular and Scalable Simulation Architecture
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