

A photograph of three pilots in green flight suits standing on a tarmac. They are looking at documents or checklists. The pilot on the left is pointing at a document. The pilot in the middle is smiling and looking at the document. The pilot on the right is looking down at a document. The background shows a clear blue sky and a runway.

Aero

L-39
SKYFOX

**The Cost-Effective
Solution for
Pilot Training**

ADVANCING PILOT CAPABILITY THROUGH:

- ▶ Fast jet airmanship development
- ▶ Elimination of undesirable pilot habits
- ▶ Safe environment for cockpit procedures training
- ▶ Efficient preparation for training sortie readiness

ON-BOARD VIRTUAL TRAINING SYSTEM:

- ▶ A-A and A-G firing training cues
- ▶ Virtual Fire Control Radar (VFCR)
- ▶ Tactical Situation Display (TSD)
- ▶ Stores Management System (SMS)
- ▶ Anti-collision warning via A-A datalink

GROUND-BASED TRAINING SYSTEM (GBTS):

- ▶ Computer-Based Training (CBT)
- ▶ Desktop Trainer (DTT)(+ VR)
- ▶ Cockpit Procedures Trainer (CPT)
- ▶ Full Mission Simulator (FMS)

MISSION PLANNING AND DEBRIEFING SYSTEM (MPDS):

- ▶ Aircraft/GBTS interconnectivity

LEARNING MANAGEMENT SYSTEM (LMS):

- ▶ Digital syllabus and instructor presentation creation
- ▶ Student progress tracking
- ▶ Assets, personnel, and sortie planning

LIVE, VIRTUAL, CONSTRUCTIVE (LVC) ARCHITECTURE:

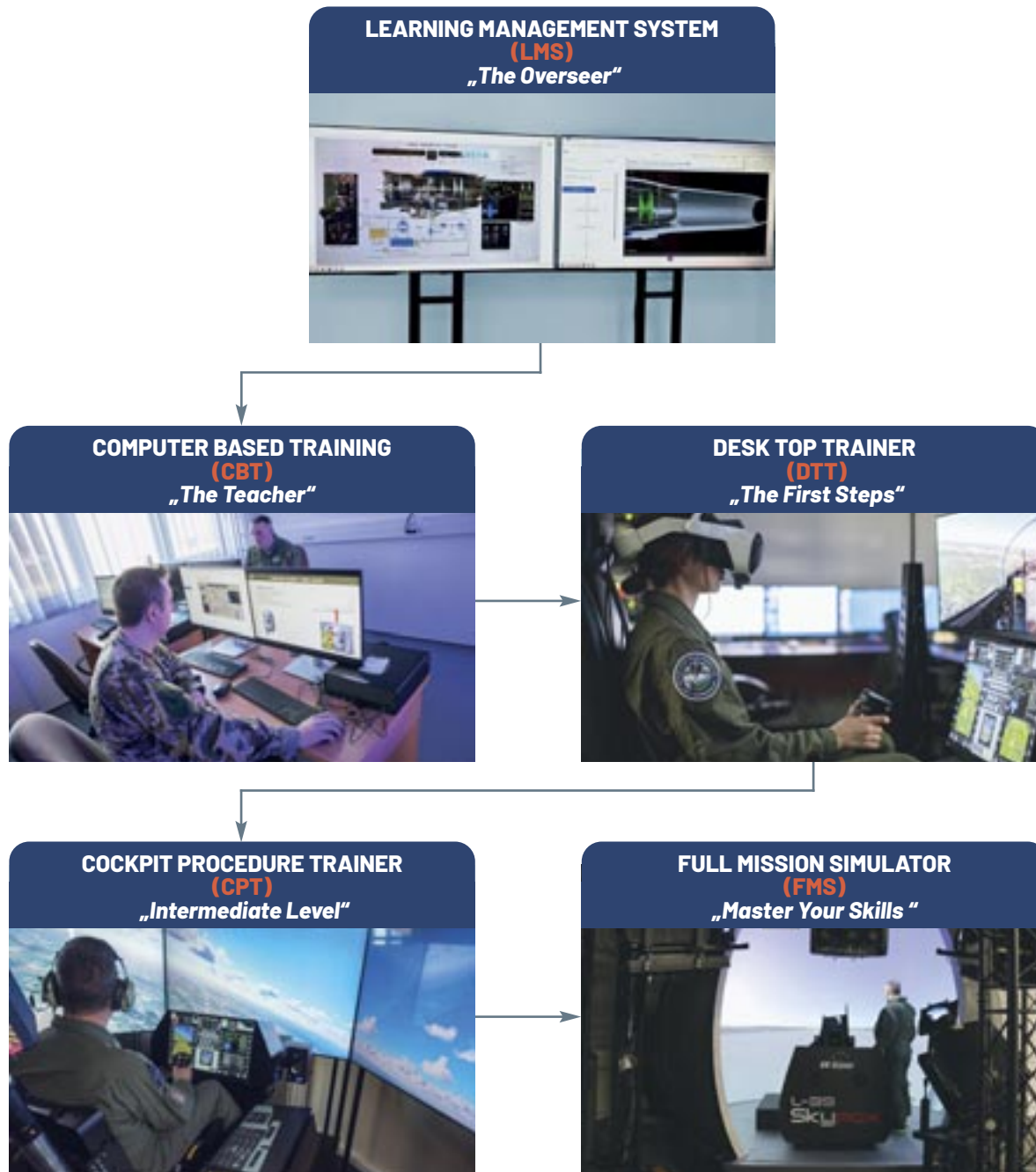
- ▶ Proven A-A/A-G datalink communication via real-time ground station (RTGS)
- ▶ Instructor situational awareness of training scenarios
- ▶ Tactical scenario simulation including A-G generated threats and targets

L-39 Skyfox Integrated Training System

Highly effective, progressive, time- and cost-efficient tool for guiding student pilots through the full fast jet training pipeline to the 4th and 5th generation combat environment



GBTS Structure



COMPUTER BASED TRAINING (CBT)

- ▶ Modular e-learning system for pilot training based on the Aircraft Flight Manual
- ▶ Self-study training for individuals or groups without an instructor
- ▶ LMS-controlled progress ensures structured learning and monitoring of training results.
- ▶ Integration with GBTS training assets
- ▶ Focus on procedural application and skill development

DESK TOP TRAINER (DTT)

- ▶ PC-based trainer for cockpit and weapons familiarization
- ▶ Simulates avionics, systems, and basic weapons use
- ▶ Solo use – no instructor required
- ▶ Simulated flight with visual, audio, and threat environments
- ▶ VR headset option for added immersion

COCKPIT PROCEDURE TRAINER (CPT)

- ▶ Covers normal/emergency procedures, instrument flight and weapons employment
- ▶ Intermediate-level training at squadron locations
- ▶ Supports full simulated missions (take-off to landing)
- ▶ Real-time and post-mission feedback for pilots and instructors

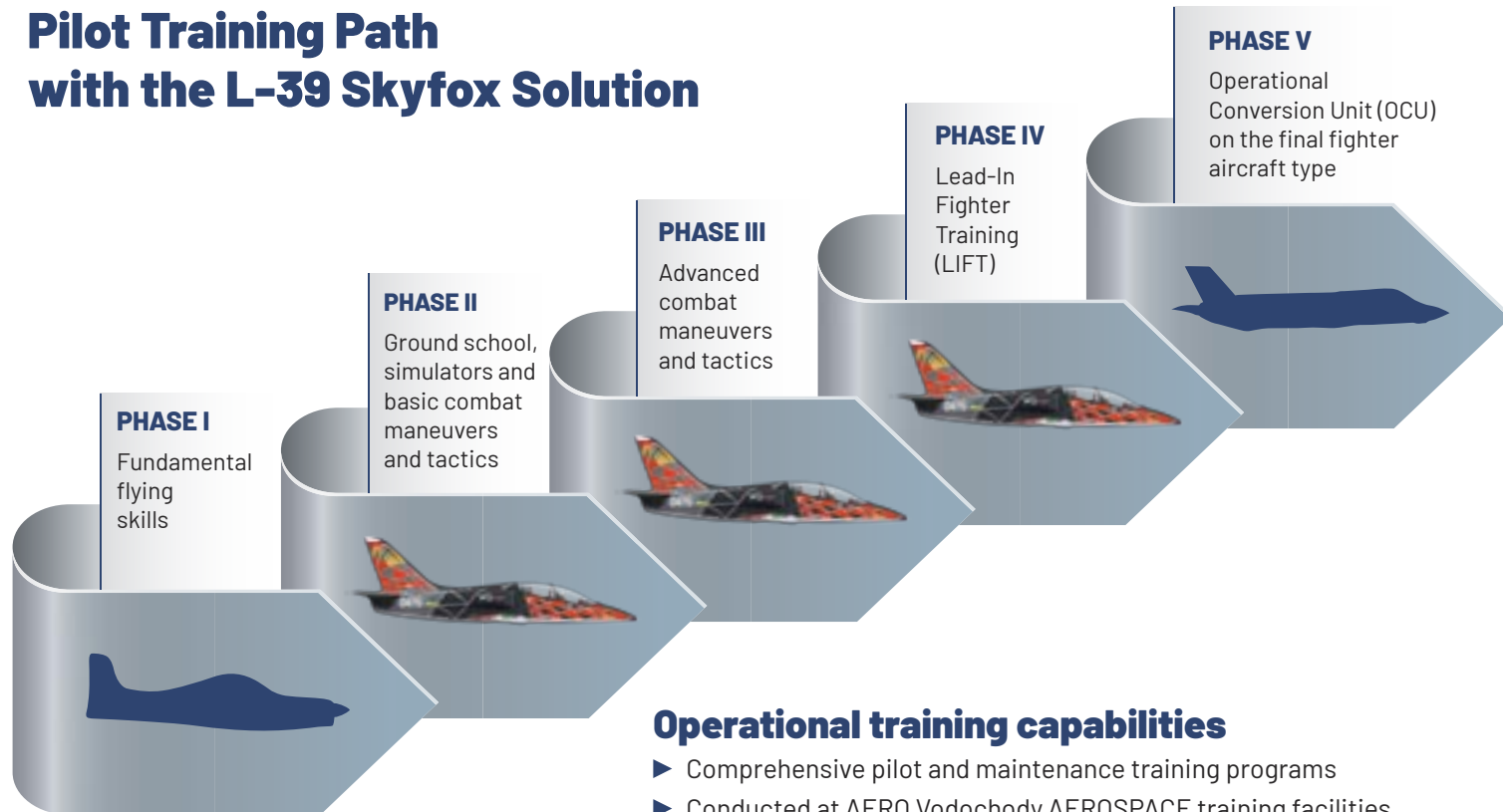
FULL MISSION SIMULATOR (FMS)

- ▶ High-fidelity simulator with realistic cockpit and visuals (FMS)
- ▶ Supports normal, emergency, instrument and tactical procedures
- ▶ Enables A-A/A-G weapons training
- ▶ Used for initial, continuation and mission rehearsal training
- ▶ Includes real-time simulation and post-mission debriefing

Master Your Skills



Pilot Training Path with the L-39 Skyfox Solution



INTEGRATED LOGISTICS SUPPORT

Operational training capabilities

- ▶ Comprehensive pilot and maintenance training programs
- ▶ Conducted at AERO Vodochody AEROSPACE training facilities
- ▶ Deployable training solutions at customer's operational base
- ▶ Instructors with certified military aviation background
- ▶ Experience across tactical jet platforms and support systems
- ▶ Training aligned with military standards and operational requirements
- ▶ Emphasis on mission readiness and operational safety
- ▶ Integration of ground crew and pilot training procedures

Approved Training Organization L-39 Skyfox

- ▶ Aircraft type rating training
- ▶ Skilled instructor/examiner training
- ▶ Synthetic simulator instructor training
- ▶ Ground maintenance training
- ▶ Type recurrent training

Optional and modular flight training content

- ▶ Advanced aerobatics
- ▶ Basic fighter maneuvers (BFM)
- ▶ Advanced synthetic fire control radar handling
- ▶ VTS intercepts and tactical datalink operations
- ▶ Basic surface attack (dry runs)
- ▶ Night vision goggles (NVG) operations



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