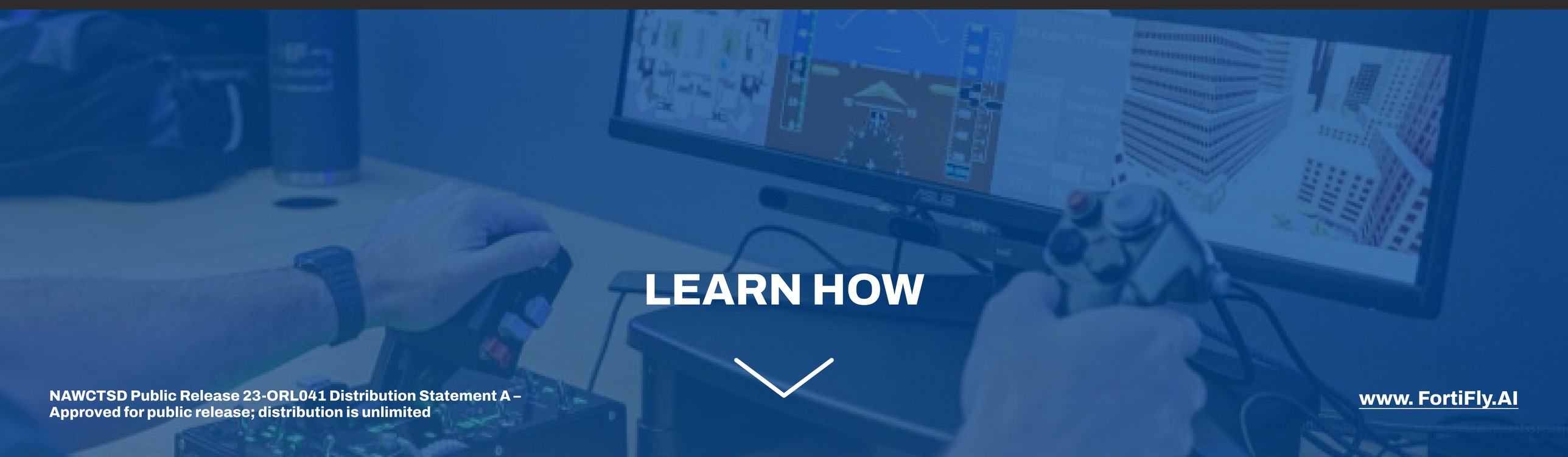
FortiFly.AI

# Revolutionizing Pilot Training Performance Tracking Next-Generation AI missions

## FortiFly provides precise Aviator Training, Tracking and Measurement for Conventional and AI-Enhanced Missions

**FortiFly.AI is a first of its kind, dynamic real-time workload assessment and AI co-training tool for the aviator.**

FortiFly.AI delivers on the need to train pilots on next-generation aviation technologies. Our team has a wealth of expertise that leverages 20+ years' experience with workload assessment, modeling and simulation, 10+ years in Artificial Intelligence (AI), and 6+ years of experience with a variety of envisioned world battlespace programs. Additionally, our aviator team has extensive experience in both DoD and commercial flight.



LEARN HOW



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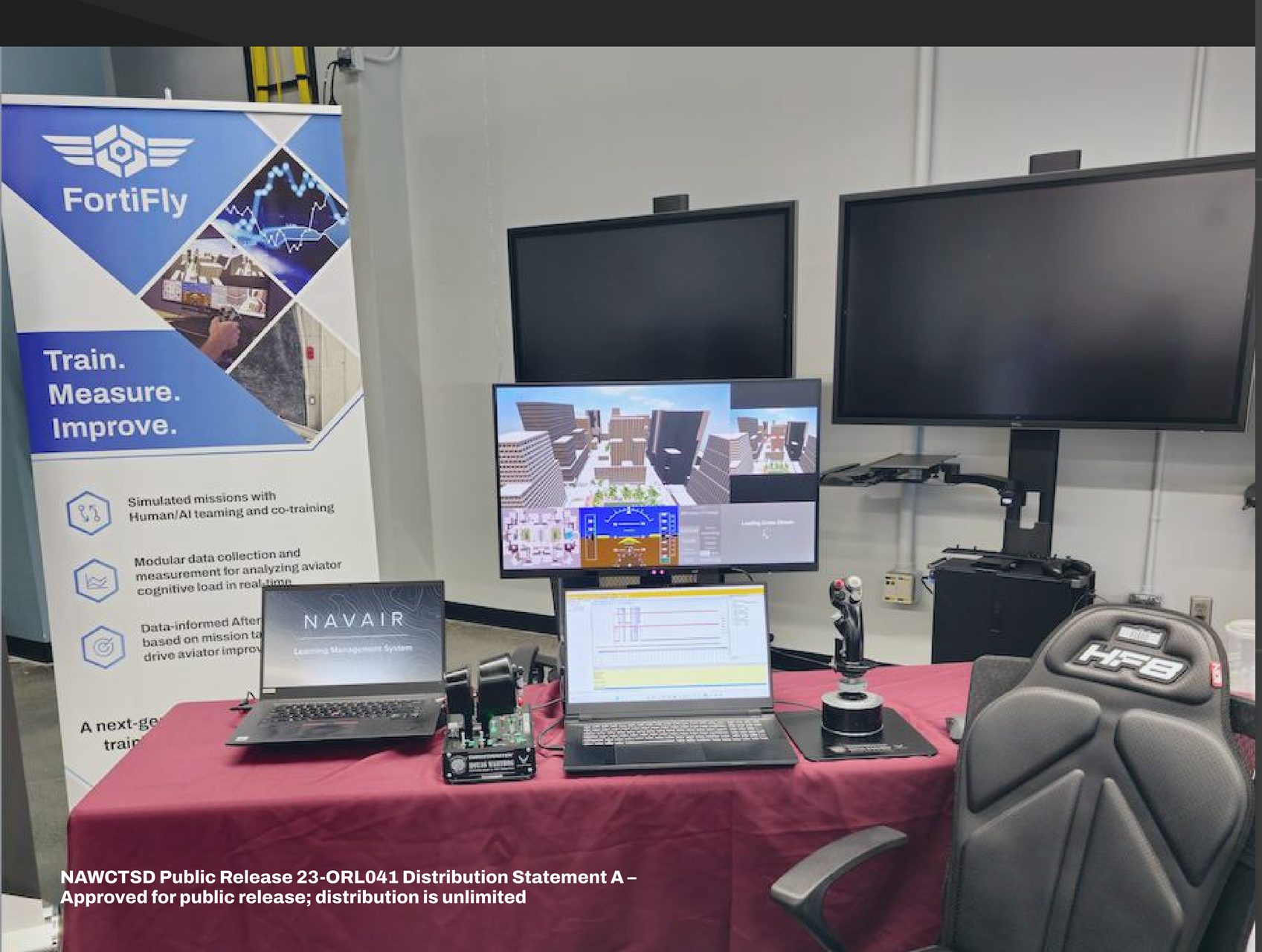
# FortiFly.AI

**Our core product, FortiFly.Train, is a learning management platform and flight simulator designed to help aviators use Multi-Domain Data Fusion (MDDF) and AI for advanced teaming with unmanned assets.**

FortiFly.Train utilizes advanced tracking technology to provide real-time insights into cognitive load. FortiFly.Train offers both conventional and futuristic envisioned world training missions using AI and autonomous systems.

We teach aviators to work with AI-powered unmanned assets that support MDDF for mission success and optimized workload. Each FortiFly.Train component can integrate with existing platforms, deploy in diverse environments, and incorporate hardware. This brings unmatched cognitive load measurement and tracking to current sim platforms and programs.

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## A First-of-its-Kind Dynamic Real-Time Workload Assessment Tool

Understand exactly how hard your pilots are working during mission execution.

## A First-of-its-Kind Human/AI Co-Training Tool

While pilots train and enhance their skills, the AI supporting them continuously improves.

## Train Your Pilots to Harness AI-powered Unmanned Aircraft Systems (UAS)

In the future battlefield, AI plays a crucial role, and FortiFly is the only solution that prepares pilots for success in missions supported by unmanned aircraft systems (UAS).

## Quantitative Pilot Performance Tracking

Monitor, comprehend, and enhance the boundaries of individual pilots - identifying instances of task reduction that were previously overlooked.

## For information, reach out

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# OUR IMPACT

**The future belongs to human/AI teaming systems which bring transformative capabilities to America's pilots while extending their battlefield superiority into UAS-enhanced missions. FortiFly.Train is the only system which both enables high-precision measurement of aviator performance today and delivers tactical and battlefield superiority in the AI-enhanced missions of tomorrow.**

## AI-POWERED MONITORING OF COGNITIVE BURDEN AND OPERATOR WORKLOAD

FortiFly.Train introduces unparalleled accuracy and detail to real-time trainee tracking. During missions, data is consistently linked to tasks and workload using FortiFly's unique task models. These models match behavior and physiological data to mission-specific tasks, creating real-time metrics for cognitive burden and workload. Using FortiFly.Train, we can pinpoint the moment a pilot reaches or surpasses their limits, leading to decreased performance. FortiFly.Train also detects and flags missed tasks, indicating an overwhelming situation.

## TRANSFORMATIVE HUMAN/AI TEAMING, TRAINING AND ENHANCEMENT

Our exceptional measurement of mission and pilot performance allows us to understand the impact of AI on mission success. We combine pilot attention and mission data with AI logs to generate ongoing training data, enhancing AI systems and their support for pilots. This loop utilizes the Reinforcement Learning from Human Feedback (RLHF) concept, as seen in Large Language Models (LLMs) and other AI systems, to align human intent with AI actions in a transformative way.

## TRANSFORMING TRAINING IN SIMULATION VIA TRACKING, MODELING, AND AI

Our learning platform was initially designed for the Navy's Future Vertical Lift (FVL) Vertical Take-off and Landing (VTOL) Family of Systems (FoS) and the Army's FVL platforms in envisioned world combat scenarios. Notably, our learning management platform and flight simulator can easily support current aviators on existing mission types as well as those with emerging systems and technologies.

## NEXT-GENERATION AI MISSIONS TO REVOLUTIONIZE PILOT TRAINING

Integrating AI-driven missions into pilot training can enhance the realism and complexity of training scenarios. AI can generate dynamic and unpredictable scenarios, simulating various weather conditions, aircraft malfunctions, and tactical situations. Pilots can then practice decision-making under pressure, enhancing their adaptability and problem-solving skills.