



The Attic Vision: Transforming Augmented Reality with The Attic AI

At its core, The Attic uses pioneering AI innovations to augment human perception and cognition for aircraft maintenance teams. Advanced machine vision algorithms extract richer insights from the interfaces and environments technicians operate in beyond human sensing limitations.

The Attic Vision aims to revolutionize this process through the integration of artificial intelligence and AR/VR.

How it Works

A modular data framework will first ingest varied usage streams from augmented reality assets and connected platforms. Computer vision techniques like optical character recognition will structure messy unstructured data. Powerful convolutional neural networks—specialized through transfer learning on diverse labeled datasets of past mishaps and routine jobs—will develop acute situational awareness.

- Multi-modal feeds dynamically track tools, parts, steps, etc. against procedures
- Spatial-temporal models navigate hazards unseen by the naked eyes
- Reconfigurable architectures adapts to new corner cases over time via active learning

Integrated with customizable alerts and NLP interfaces, tailored AI assistance can deliver:

- 30% gains in individual productivity from causality-tracking enhancements
- Step-by-step guidance speeding skills acquisition
- Reinforcement learning optimizing interactions to situational nuances

Rapid prototype iterations informed by maintainer user groups will drive an assistive experience so seamless teams adopt it proactively for operational gains—not as mandated software. The end vision is augmenting the best of human discernment with robust machine precision for a new era of human-computer collaboration.

Contact us for a custom demo on how The Attic's Artificial Intelligence can optimize your workflows.

<https://theattic.ai> | info@theattic.ai | (801) 999-0232

A Utah Small Business

Cage: 9PVA4 | UEI:WBABLXTSLJ6