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OHIO
CONFERENCE
ON FREIGHT
2025




Growth Through AI-Driven Advanced Air Mobility (AAM) in Northwest Ohio

Leveraging technology and infrastructure for future transport

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Fulton County Airport


John Crisp
Astrophotography


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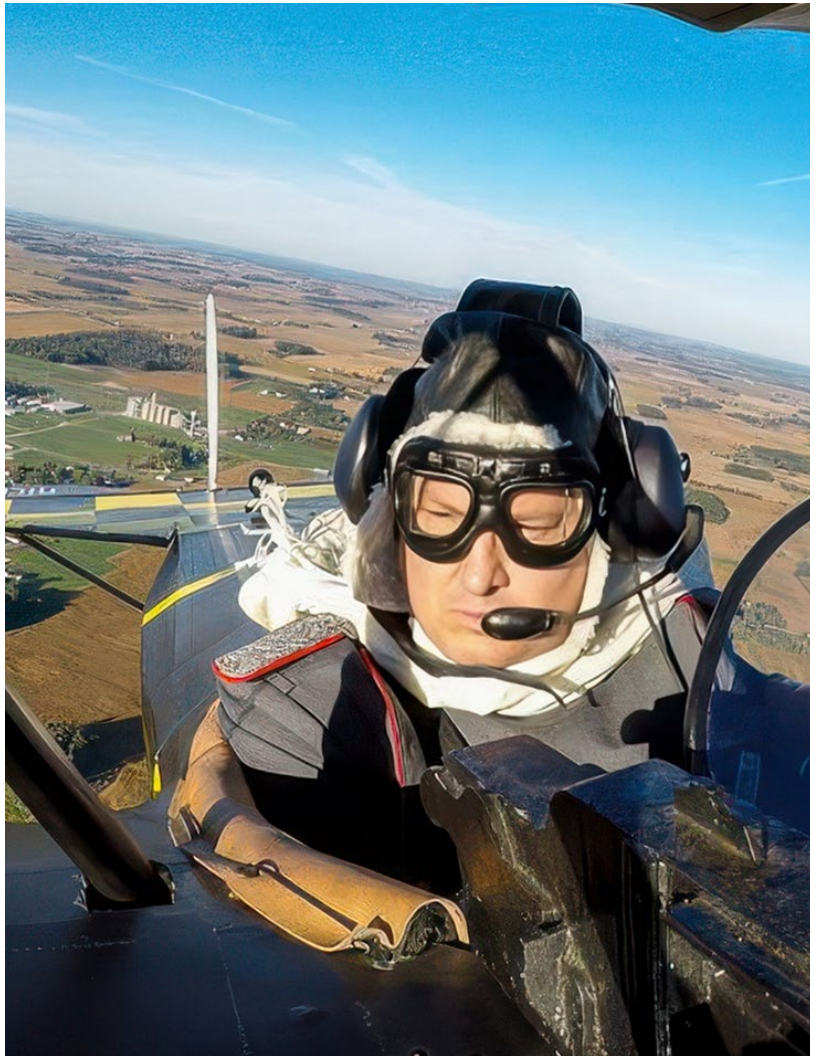
John Crisp
Astrophotography

Key Highlights:

Distinguished Aviation Career
With 35 years as a pilot, Crisp’s experience spans childhood flights and building rare vintage aircraft.

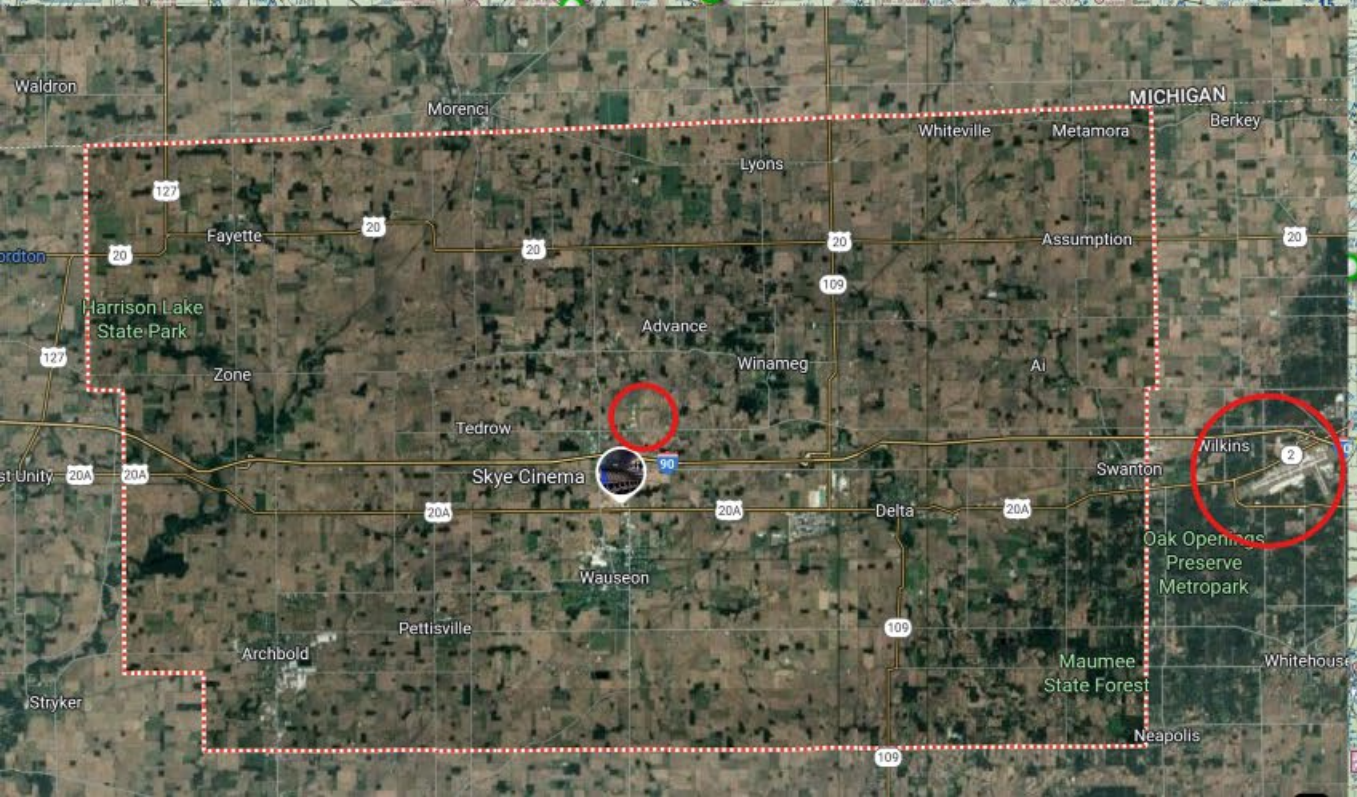
Technology Leadership
Crisp led as CIO/CTO in major companies and now educates executives on artificial intelligence advancements.

Resilience and Diverse Interests
His life includes airport management, surviving a plane crash, and astrophotography, reflecting adaptability and curiosity.



Northwest Ohio: A Strategic Location for Advanced Air Mobility

Geographic Benefits



Overview of Existing Airport Network and Controlled Airspace

Regional Airport Infrastructure

Multiple regional airports provide necessary infrastructure to support advanced air mobility and drone operations.

Controlled Airspace Management

Controlled airspace ensures safe and regulated flight paths for drones and eVTOLs, minimizing risks.

Support for Advanced Air Mobility

The network and regulatory framework facilitate seamless drone and eVTOL integration within urban and regional environments.

Current Operations

This NOTAM, identified as USE 07/019 for Fulton County Airport (KUSE) in Wauseon, Ohio, notifies aviators of airspace activity referencing a related NOTAM from the Cleveland Air Route Traffic Control Center (ZOB 07/808) concerning unmanned aircraft system (UAS, or drone) operations. The scheduled timeframe spans from July 25, 2025, at 0900 UTC (0500 EDT) to July 26, 2025, at 0300 UTC (July 25, 2300 EDT).

Agriculture Operations

July 24-26th Fulton County

Current Operations

This NOTAM, identified as !USE 07/016 for Fulton County Airport (KUSE) in Wauseon, Ohio, alerts pilots and aviation personnel to airspace activity at or affecting the airport. It directs users to refer to a related NOTAM from the Cleveland Air Route Traffic Control Center (ZOB 07/756) for details on unmanned aircraft system (UAS, or drone) operations. The activity is scheduled from July 24, 2025, at 0900 UTC (which is 0500 EDT) until 1600 UTC (1200 EDT).

Agriculture Operations

July 24-26th Fulton County

Automated Weather Observation

$342,000

Fulton County Airport in Wauseon, Ohio, has received a $342,000 grant from the U.S. Department of Transportation to support a multi-phase infrastructure project. This funding will help build new hangars for additional aircraft and replace the Automated Weather Observing System. The project aims to enhance the airport's capacity and sustainability, contributing to the region's economic resilience and connectivity.

Minimal Viable Infrastructure/Critical Infrastruture

Major Funding & Investment Opportunities in AAM

Advanced Air Mobility (AAM) is gaining tremendous financial momentum from both private investors and government programs.

FAA predicts AAM will grow into a $30 billion market by 2030.
Joby Aviation's new Ohio facility represents a **$477 million investment and 2,000 jobs on its own.**

On the public side, federal and state agencies are actively financing AAM research and infrastructure. NASA's AAM program and FAA grants are supporting technology development (from air traffic systems to vertiport design), and the U.S. military (Agility Prime program) has injected funding to accelerate eVTOL aircraft testing.

Federal funding opportunities for communities include FAA airport grants that can be used for vertiport construction and new USDOT initiatives focused on emergent transportation tech. Ohio in particular has been aggressive in pursuing AAM funding: the state partnered with the Air Force to establish the **$9 million National AAM Center of Excellence in Springfield in 2023**, signaling to companies that Ohio will co-invest in this sector.

A statewide study found that **AAM could create 15,000 new jobs in Ohio and generate $13 billion in economic activity over the next 20 years.** This includes manufacturing jobs, service and maintenance roles, and high-tech positions.

Morgan Stanley even projects a **$9 trillion global economic impact by 2050** as AAM matures.

AI Breakthroughs in AAM

Advanced AI Capabilities
AI systems with multimodal and real-time reasoning offer rapid, precise insights critical for Advanced Air Mobility operations.

Enhanced Autonomy and Decision-Making
AI enables greater autonomy in air vehicles and supports smarter, faster decision-making for pilots and operators.

Predictive Maintenance and Safety
AI-driven predictive maintenance increases aviation safety and efficiency by anticipating issues before they arise.

From AI To AGI And ASI

Understanding AGI and ASI

AGI matches human reasoning across many tasks, while ASI far exceeds human intelligence and problem-solving abilities.

AGI in Autonomous Mobility

AGI enables fully autonomous air traffic, adaptive routing, and coordinated transportation fleets for complex mobility challenges.

ASI's Impact on Transportation

ASI could revolutionize mobility by enhancing safety, optimizing logistics, and modeling dynamic transportation policies.

Conclusion: Advancing Northwest Ohio Through AI-Driven AAM

Strategic Location Advantage

Northwest Ohio's geographic position supports the growth and adoption of AI-driven advanced air mobility solutions.

Infrastructure Development

Ongoing infrastructure projects are enabling the integration and support of advanced air mobility technologies.

Economic and Social Benefits

Investment and collaboration in AI-driven AAM promise significant economic growth and social improvements for the region.