



Transforming Aircraft MRO with AI-Powered AR Smart Assist Glasses

www.argenie.ai

Confidential and Private. All Rights Reserved

Presented by: Abhishek Sharma

Critical Challenges in Aircraft MRO

- **Skilled Technician Shortage**
 - Aging workforce - 30% retiring in next 5 years
 - Complex aircraft systems require 2-3 years training
- **Safety and Compliance Risks**
 - Human error causes 70% of aviation maintenance incidents
 - Strict regulatory requirements (EASA, FAA) demand precision
- **Operational Inefficiencies**
 - Aircraft downtime costs \$10,000+ per hour
 - Knowledge transfer from experts to new technicians is slow

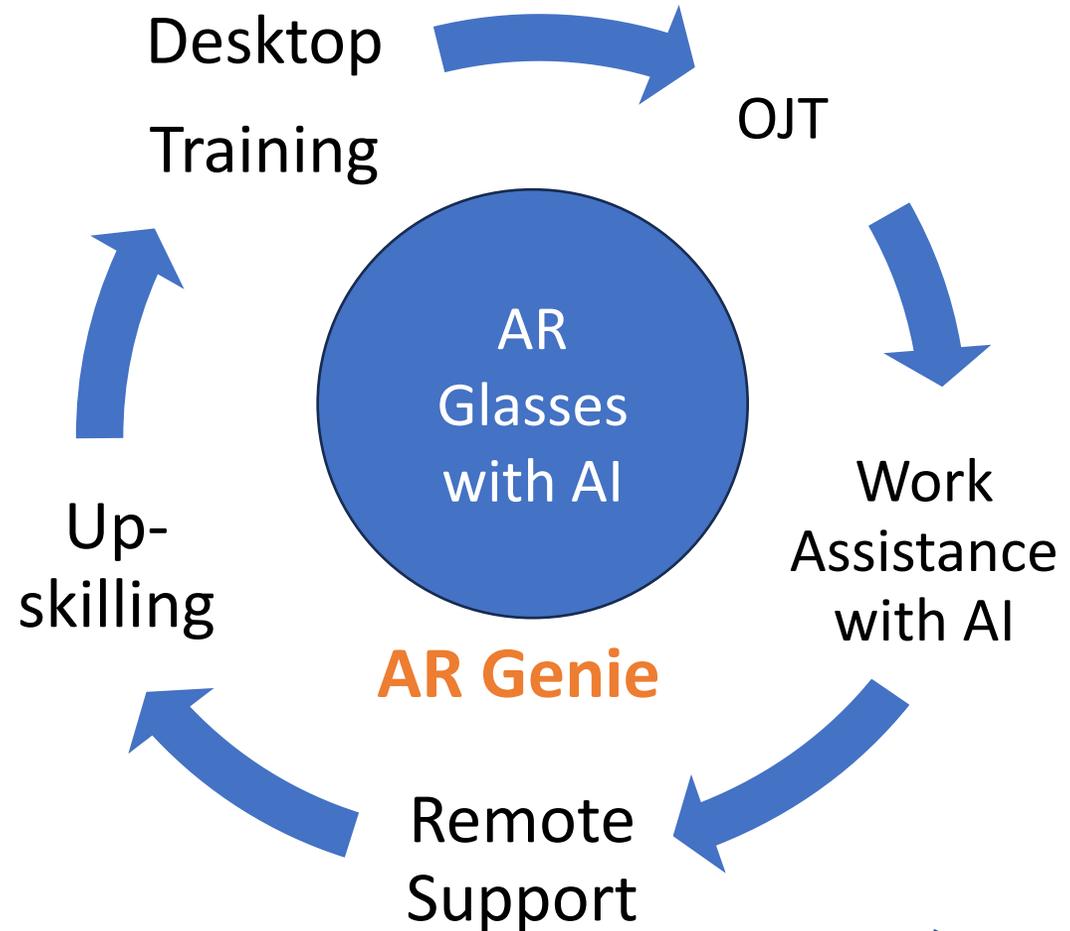
What is AR + AI for Aircraft MRO?

- **Augmented Reality (AR) Glasses**
 - Wearable smart glasses that overlay digital information onto the real world
 - Technicians see instructions, diagrams, and data - hands-free
 - No need to reference manuals or tablets while working
- **+ Artificial Intelligence (AI)**
 - Context-aware guidance: AI understands what the technician is looking at
 - Instant answers: Voice queries to access technical manuals and procedures
 - Fault Detection and Error prevention: **Computer Vision AI** alerts technicians to safety issues and wrong parts
- **Result: Expert-level performance from day one**



AR Genie Products for Aircraft MRO

- AR Genie Training
- AR Genie Smart Assist
- AR Genie Remote Assist



AR Genie: Smart Assist

Work Flow in AR with Smart Assist (No code solution with AI)

Step a

Step b

Work Instructions

- Text
- Documents
- 3d Objects
- Videos
- Images
- AR Overlays

Considerations

- Warning
- Caution
- Notes

Inspection

- Automated
- Fault Detection with AI

Evidence

- Photo
- Video
- Checklists

Remote Assistance

- Monitoring
- Recording

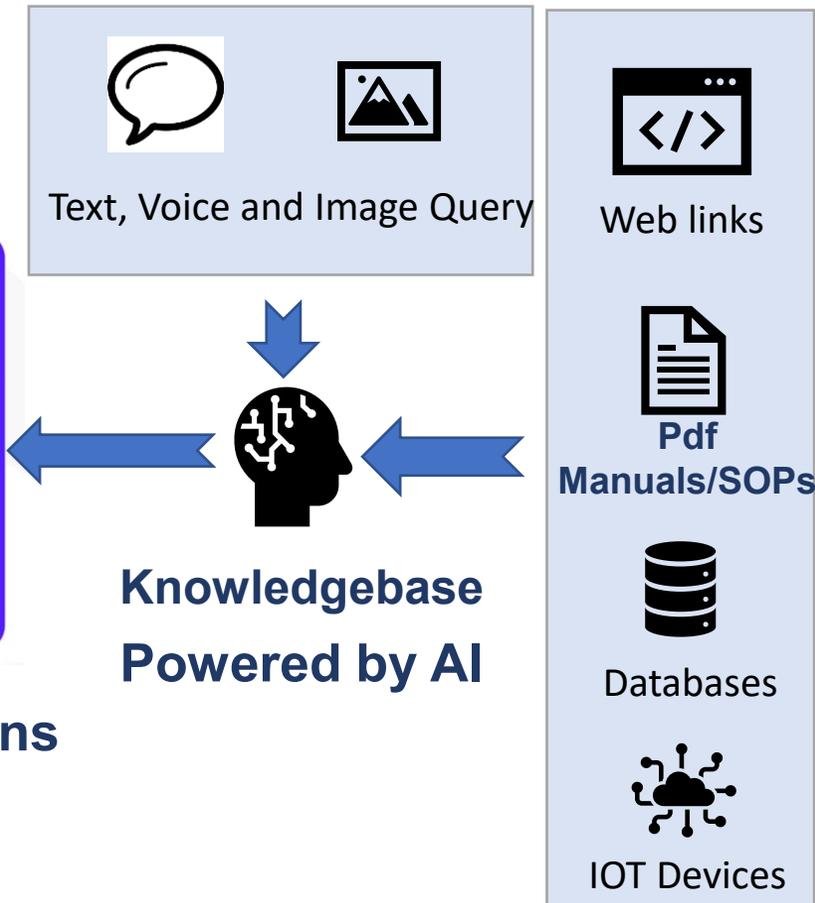


AI-Powered MRO Knowledge Management

- Create workflows with AI from
 - Technical Documents
 - SOPs
- Advanced Text Search
- Image Search
 - From CAD models
 - Using 3d scans
 - From Images of parts
- Works on
 - latest AR Glasses
 - iPad Pro



Workflows – Step by Step instructions



AR Technology: Ready for Enterprise MRO

- **AR Glasses Technology has Matured for Enterprise Use**
 - B2C market driving prices down 60% in last 2 years
 - Enterprise-grade devices now \$1,500-\$3,000 per unit
- **Explosive Market Growth**
 - Enterprise AR market: \$1.8B (2024) → \$15.3B (2030)
 - 42% CAGR - fastest growing enterprise tech segment
 - Industrial/MRO represents 35% of enterprise AR adoption
- **Critical MRO-Ready Features**
 - Lightweight (under 100g) for all-day wear
 - Outdoor-ready displays for hangar environments
 - Edge AI processing - works without constant connectivity
 - 8+ hour battery life for full shifts
- Perfect timing: Technology mature + workforce crisis = massive MRO adoption



MRO Benefits - Proven Results

- 50% reduction in training time for new MRO technicians
 - Minimize human error - improve safety compliance
- 40% increase in first-time-fix rates
- 70% reduction in expert travel costs
- Reduce aircraft downtime by 30%
 - Real-time access to technical manuals and compliance data

Aircraft MRO Traction & Partnerships

- Aviation Industry Veterans as advisors
- Aircraft MRO Customers & Pilots
 - **Airbus Europe** – Working on pilot program
 - **Aircraft MRO India** – Maintenance and Inspection
 - **Defense Aviation** - Maintenance training program
- Middle East Expansion
 - Interested in strategic partnership discussions with Dubai-based MRO facilities
 - Targeting Emirates Engineering, Etihad Engineering, and regional operators
- Technology Partners
 - Magic Leap
 - DigiLens (AR hardware)
 - NTT Docomo MiRZA (Japan)
 - Google and more...

Investment Opportunity - Let's Transform MRO Together

Global Presence

Headquartered in San Jose, Silicon Valley, California
Offices in Japan and India.

Seeking Seed Funding

Expand MRO operations in Middle East
Scale technology for Boeing, Airbus, regional carriers
Projected 2026 revenue: \$500K+, 100% YoY growth potential

Contact Us

www.argenie.ai

abhishek.sharma@argenie.ai

+91 9313167893

+1 415 305 4541

1076 S 9th Str,
San Jose, CA 95112, US

+817091311923

1 Chome-17-1 Toranomom, Minato City 105-6415,
Tokyo

+91 9313167893

241, phase-1, Vasant Vihar, Dehradun, Uttarakhand
And New Delhi, India

