VISUAL PREDICTIVE MAINTENANCE FOR AIRCRAFTS

Optimize maintenance costs and maximize asset availability with Computer Vision.

Anticipate and address aircraft system issues before they interrupt operations

> **$647 billion is lost globally each year due to downtime from machine failure.**

HOW IT WORKS

Visual predictive maintenance systems can detect failures earlier and more effectively than human inspection. Using multi-spectral Computer Vision and AI, organizations can automate visual aircraft analysis, reduce mean-time-to-know and accelerate corrective action.

BENEFITS

Minimize risk and reduce costs and with AI-driven predictive maintenance

Using AI to analyze tip-to-tail image and video data for component part anomalies prevents failures before they occur resulting in:

- ✓ 35% reduction in aircraft maintenance costs
- ✓ 25% increase for time-in-air
- ✓ Reduction of manual inspection efforts and maintenance periods
- ✓ Prevention of costly maintenance-caused disruption

Anomaly detection

Detect corrosion, paint peeling, blade deterioration and rivet rash in aircrafts. Address specific maintenance concerns related to non-composite and composite material aircraft. Understand when new parts, components and overhauls will be required to keep equipment in use longer. Identify anomalies and faults in equipment and proactively warn personnel about possible issues.

What sets Clarifai apart

We pioneer comprehensive end-to-end AI solutions for the world's airlines and governments that help reduce operating costs while maintaing high levels of service.

- ✓ Highest accuracy computer vision models for multi-spectrum sensors at the edge
- ✓ Automated data labeling and continuous learning for complex tasks and dynamic conditions
- ✓ 8 years of AI and research expertise with the world's most innovation organizations

FACILITY CLEARANCE & SECURITY POSTURE

AICPA SOC • CYBERSECURITY MATURITY MODEL CERTIFICATION • NIST 800-171 • NIST 800-53

Contact us to learn more.

We can help you advance your AI projects. **Contact us** to learn about our platform.

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