aicadium **Statistics Brief**

16 Stats Illuminating the Future of MRO Technology

The Maintenance, Repair, and Overhaul (MRO) industry stands at a pivotal crossroads in an era marked by rapid technological advancements. This infographic highlights key statistics from authoritative industry sources (citations below) illuminating MRO technology's future, showcasing the growing market potential, the impact of digital transformation, and the shift toward sustainability.

Notably, integrating artificial intelligence is transforming operational efficiencies by enabling improved maintenance operations and smarter decision-making. As companies adopt innovative strategies and solutions, the MRO sector is poised for significant evolution, ultimately enhancing efficiency and operational effectiveness.

Market Growth

100 The global MRO (Maintenance, Repair, and Overhaul) market is projected to reach **billion USD by**

2024 2025 2026 **2027**

Boeing projects delivery of **43,975 aircraft** between **2024** **2043**

Digital Transformation and AI

70% of MRO companies are investing in digital solutions.

Adoption of Artifical Intelligence (AI) in MRO is expected to increase by **40%** **by 2025**

Global AI in aviation is estimated to reach **USD 23,292.99 million by 2031**

Cost Efficiency

Organisations utilising modern MRO technologies report cost savings of up to **30%** in operational expenses.

Implementation of predictive maintenance can reduce downtime by **50%**

Workforce Changes

Approximately **60%** of MRO workers are expected to upskill in digital and tech competencies by **2025**

The demand for skilled technicians in the MRO sector is expected to grow by in the next four years. **22%**

The commercial aviation industry will require nearly **2.4 million** new personnel in the next 20 years.

Sustainability Focus

50% of MRO companies are adopting eco-friendly practices as part of their strategic goals.

Transitioning to sustainable materials in MRO is projected to reduce waste by **35%**

Supply Chain Innovations

45% of MRO organisations are leveraging IoT (Internet of Things) for real-time monitoring and supply chain efficiency.

Blockchain technology is anticipated to enhance transparency and traceability in MRO operations by **25%**

Barriers to Adoption

80% of MRO companies see data limitations as a barrier.

70% cite resistance to change and a lack of digital talent as barriers.

Conclusion

The future of MRO technology is bright, with substantial growth driven by digital transformation, AI, workforce evolution, sustainability initiatives, and innovative supply chain solutions. Companies that embrace these technological advances will likely lead the industry in efficiency and effectiveness.

Are you ready to take the next step towards digital transformation? Reach out to Aicadium today to learn how computer vision AI can help you take advantage of the unprecedented environment of change and growth. Let's disrupt MRO together!

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Sources

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