

AEROSPACE & DEFENSE



KEEP THEM OPERATING INCREASE FLEET AVAILABILITY THROUGH DIGITAL CONTINUITY

HOW TO CONTINUOUSLY OPTIMIZE FLEET MAINTENANCE TO MAXIMIZE ITS AVAILABILITY?

The Maintenance, Repair and Overhaul (MRO) sector is in a period of robust expansion as it is a significant source of potential business growth for aircraft manufacturers, defense forces, airline operators and organizations focused on refurbishment and aftermarket services. Global air travel demand is projected to increase and as worldwide business picks up again, more regular services are required. Improving fleet availability becomes crucial as the need increases for commercial and defense aviation.

Keep Them Operating is an integrated solution powered by the 3DEXPERIENCE® platform that helps improve spare parts management, support and service engineering and MRO businesses. It gathers, aligns and enriches digital data continuity —whether internal or external, structured or unstructured, simple or complex — to deliver information the way users want to receive it.

Keep Them Operating also offers a potential competitive advantage by improving business processes, optimizing parts availability and anticipating potential issues. It integrates value streams for teams to work together in real time.

Generate new sources of sustainable revenue

MRO is a massive part of private and public companies' operating budgets in aerospace and defense. It may represent a challenge for some companies, but it means a new revenue opportunity for others, such as operators and third-party contractors. Connecting all actors in one platform offers significant revenue and productivity gains.

Keep Them Operating provides a flexible and efficient platform that enables digital continuity. By connecting processes from engineering to MRO execution, this business management platform accelerates services. It will also offer new opportunities in terms of sustainable revenue by facilitating MRO operations.

Increase fleet availability

The more time an aircraft spends on the ground, the higher the cost and lower the availability. It is critical to increase fleet availability for all operators to reduce MRO costs and increase their revenue by having their aircraft in operation. It is necessary to use data analytics and apply them to predictive maintenance for efficient and quick MRO tasks on the ground so that the aircraft can get back in the air as soon as possible.

Keep Them Operating provides a single place to collect, view, understand and drive fleet and service decisions based on the massive amount of service data and AI-based machine learning capabilities. Anticipating maintenance actions and reducing delays or cancellations will increase fleet availability and readiness. The virtual twin experience capabilities combined with big data analytics enables real-time monitoring of physical assets.

Reduce total cost of fleet ownership

With millions of maintenance hours lost in unproductive tasks and millions lost on unplanned maintenance, MRO costs represent a big part of airlines, commercial aviation and defense budgets. Therefore, it is crucial to harness the data to have a more productive and efficient MRO management process.

Keep Them Operating offers the possibility to identify unproductive and inefficient tasks, a critical step to decrease maintenance costs. Digitalization throughout MRO aims to improve spare part supply chain performance and reduce inventory. It will reduce the cost of maintenance execution, cost of ownership and life cycle cost (LCC) of aircraft systems.

KEY BENEFITS

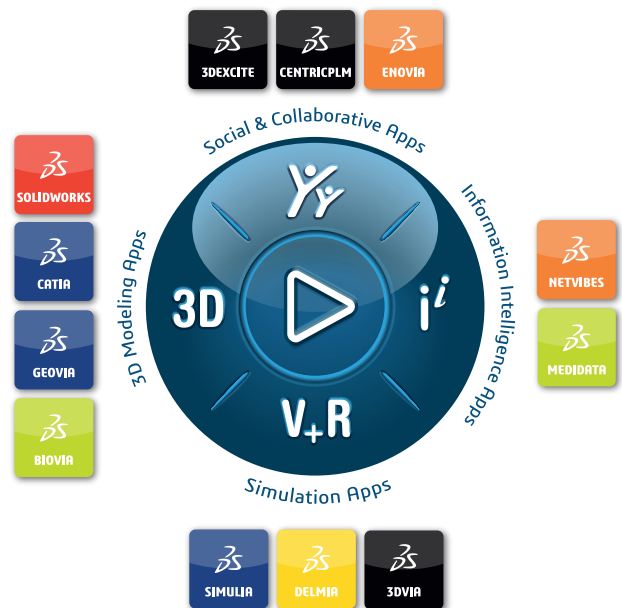
- Gain new business opportunities with service business management of the aircraft's lifecycle
- Reduce spare part inventory with an integrated spare parts and maintenance planning
- Leverage predictive maintenance on the **3DEXPERIENCE** platform to optimize maintenance
- Accelerate faster MRO execution with digital continuity throughout MRO
- Enable lean obsolescence management with 3D printing on demand at any place
- Provide the digital continuity and a model-based solution from OEMs to operators

For more information on Keep Them Operating, visit [our website](#).

Our 3DEXPERIENCE® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our 3DEXPERIENCE platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.



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