



More flight hours at lower cost with customized MRO

PERFORM^{Plus}



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REDUCE ENGINE REMOVALS

- + Fleet management**
MRO-optimized removals and minimized spare level over contract period
- + Predictive maintenance**
Reduction of off-wing shop visits through engine trend monitoring and on-site services

OPTIMIZE SHOP VISIT COST

- + Workscoping**
Build-up for optimized, cost-effective on-wing times for each shop visit
- + Repair instead of replace**
Minimized material cost with strong in-house capabilities and proprietary repairs

Maximum power and performance

MRO makes up the core of MTU Maintenance's services and we are exceptional at it. For operators of newer engines, it is all about generating more flight hours at lower cost with customized MRO. We know that our customers want worry and risk free solutions, and we have intelligent, all-inclusive ways to support.

We achieve more time on wing and an optimized cost per flight hour by reducing overall engine removals across a defined period: through for instance, clever fleet management, predictive maintenance, engine trend monitoring and on-site services.

Once an engine comes into the shop, we use customized workscoping, in-house repairs and our engineering expertise to help lower overall costs. In particular, our high-tech EASA/FAA-approved and proprietary repairs reduce scrap rates, increase engine performance and ensure longer on-wing times.

More treats in the goody bag

Beyond this spectrum of services, we can also support with lease engines to cover the duration of the shop visit. So you are always covered. And we complement engine MRO with logistics services, such as the management of accessories and line replaceable units all over the world.





How does it work?



Getting the planning right

Through our fleet management support and consultancy, we offer you access to MTU's collective brain. We monitor your fleet and structure your maintenance planning and shop visit intervals based on technical and economic criteria – always balancing the performance on wing with parts deterioration and service life, making sure the optimal decision is reached.

Additionally, costly aircraft downtimes can be greatly minimized by developing long-term plans that allow for material supply predictability and the optimization of spare engine levels, ensuring both continued operations and reduced cost. We are here to help in this regard.

Finding the right removal time

Optimal fleet planning is not possible without preventative and predictive maintenance. We use our engine trend monitoring system to observe key engine parameters, such as exhaust gas temperatures, fuel consumption and thrust derates combined with historical wear data and patterns to assess the optimal point for engine removal. We create a ranking report for fleets that helps identify those with reduced performance so that they can be prioritized in the shop visit schedule. Furthermore, we will

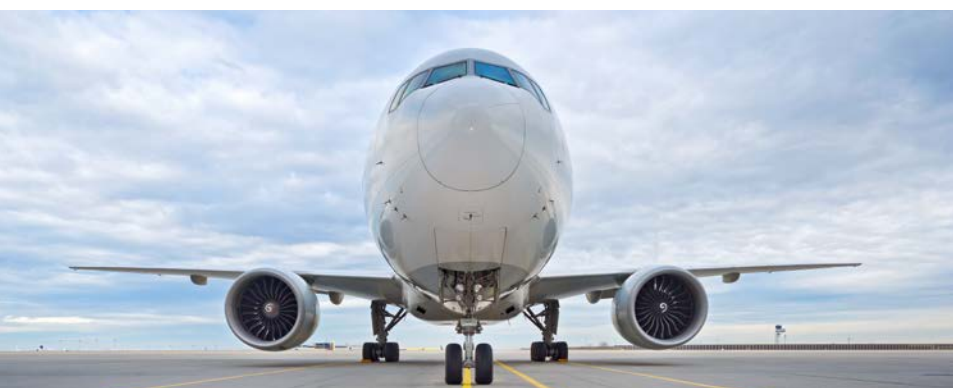
perform maintenance on wing wherever possible, to prolong time between shop visits and lower costs.

Creating the right workscope

Is there such a thing as a standard engine? No. Which is why our MRO is always tailored to the customer. We take into account engine age, usage, planned service life, on-wing performance and fuel burn, to create the exact workscope you need, with none of what you don't.

Choosing the right repairs for your operations

Our workscooping expertise is complemented by our material solutions and our repair capabilities – we perform 75% of the repairs in house. All of which ensure optimal cost management and predictability at the highest MTU quality standards. MTU Maintenance's engineering department continually develops repairs and processes to help customers increase times on wing and save costs – particularly for operators flying in harsh environments. Our high-tech proprietary repairs are FAA/EASA approved. These repairs can reduce scrap rates, improve parts durability, reduce fuel consumption, all of which help operators combat high material costs and considerably increase engine on-wing times.



Your benefits

- More time on wing
- Better cost per flight hour
- Increased performance
- Care-free support
- An experienced partner

