

Technical Asset Management Services (TAMS)

Our engine experts are your engine experts!



For customized services, please contact:
TAMS@mtu-lease-services.com

Your engine assets deserve the best, bespoke technical support. TAMS provides this consulting and much more. Our experts understand the market challenges engine owners and lessors face because we, too, are an asset owner and lessor. Many of our TAMS experts learned their skills within airlines, so we have a good understanding of the challenges faced by operators as well.

Whether you need a broad suite of technical fleet management services or just help storing engines, our Amsterdam-based TAMS team provides tailored services with the added benefit

of linking seamlessly with other services offered by MTU Maintenance, the global market leader in customized solutions for aero engines.

With engine fleet management (EFM), we offer a continuous, fully integrated service that consists of expert technical advisory, engine transition solutions and logistical support, tailor-made to your needs and buttressed by MTU's AI-assisted digital tools.

Each advisory, transitions, logistics and digital service is also available on an ad-hoc basis.

Why MTU?

- Highly skilled team of 20+ experts
- In-depth expertise: 150+ managed assets, 150+ end-of-lease transitions a year
- Access to MTU's global MRO support network
- Large engine portfolio, including CF34, CFM56, GE90, V2500, GP7000
- 40+ years of technical and MRO expertise

Your TAMS benefits

- Comprehensive suite of services
- Tailored solutions according to your needs
- One-stop shop for your aero engine requirements
- Maximized predictability, asset value and revenue
- Fast supply of used material inventory



TECHNICAL ASSET MANAGEMENT SERVICES

ENGINE FLEET MANAGEMENT: Continuous operational support for asset owners

ADVISORY

- | Records management
- | Technical assessments
- | Technical/on-site event management
- | Workscoping

TRANSITIONS

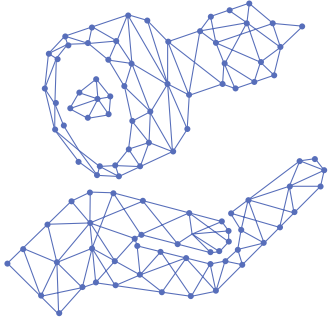
- | End-of-lease/start-of-lease
- | ON-SITE^{Plus} services
- | Pre-purchase inspections

LOGISTICS

- | Engine stand solutions
- | Engine/stand preservation & storage
- | Transportation support

- | AI supported boroscope review
- | Digital inspection assistant
- | Engine fleet monitoring software (CORTEX)
- | Engine trend monitoring (WebETM 3.0)
- | Records digitalization & lifecycle management
- | Worldwide stand tracking

AD-HOC SERVICES



Engine Fleet Management

At MTU Maintenance, it is our ultimate goal that customers fully entrust us with their assets. Therefore, we provide an intelligent and independent **engine fleet management** service based on over 40 years of MRO expertise and 10 years being an asset owner and lessor. Using proven software and AI, we deliver monthly fleet

status reports, highlighting potential maintenance events. We also can provide engine removal and shop visit forecasts using various fleet-planning scenarios. With all that knowledge, we help you make the right decisions for optimal engine lease placements and asset book value.

Advisory

MTU Maintenance can perform a full **records review**, either as a stand-alone service, such as a pre-purchase agreement, or during the pre-purchase phase of an engine.

A key part of managing your assets is to ensure that they stay in service for the expected time. We support your (re-)delivery transaction with **technical assessments**, including **time-on-wing analyses**, in which we review the latest BSI evaluation, current modification status, and data from the last shop visit to give you a

comprehensive and clear report on the technical status of the engine and expected time on wing.

In addition, we offer outstanding support for customized and cost-effective worksopes. We can represent you on-site during shop visits, at either an MTU shop or a third-party MRO provider, in particular for table inspections and scrap reviews. We will also critically review worksopes, disassembly findings, and invoicing, to ensure you get the **most cost-effective shop visit** with the **exact workscope** you need.

Transitions

Whether it is an **end of lease, start of lease** or an ad-hoc transition, you can rely on us to execute the transition of your asset according to the lease agreement. We can also arrange for physical and **full borescope inspections**, including video, for **pre-purchase** assessments.

With the support of our MRO network, we can also customize additional **on-site services** such as engine change, QEC swap, and engine preservation.

We can also carry out a thorough **technical records check** to MTU Maintenance quality standards, so you don't have to! This includes assessments of completion and due-diligence, and whether your records comply with the various aviation authorities. We will check if your assets meet the operational requirements and your contractual obligations, and give you comprehensible feedback. Should there be a need, we will recommend any rectification of documents.





Logistics

Benefit from professional asset **storage and transportation** with MTU's monitored on- and off-site logistics support! We have facilities in the Netherlands, Singapore, Texas, Dubai and elsewhere if required, to store your **engines, stands, parts and tooling**. Our team arranges and manages engine transportation, as well. That means we will find you the vendor, create the export documents as well as the PO for the

chosen vendor who will transport your engine or stand.

In case our customers are short of a stand, we have a stock of **newly-built transport stands** from Advanced Ground Systems Engineering (AGSE®), a leading OEM-approved manufacturer, for a variety of current and new generation engines ready for leasing.

Digital

TAMS is buttressed by a range of digital solutions developed by MTU that help you work smarter, not harder.

Humans can get tired, machines less so. The **AI borescope review** records a video of an inspection and marks all potential damages better than the human eye, further minimizing the margin of error during an inspection.

With **WebETM 3.0**, the latest iteration of our remote engine performance tracking software, you are always up-to-date on your assets' health status. It collects post-flight metric such as EGT, shaft speed and fuel flow, and reports any abnormalities to a web-based platform fully accessible from any smart device.

CORTEX uses technical data, algorithms and AI to provide an overview on the condition of your fleet as well as cost-effective, flexible and immediate engine maintenance strategies unique to your needs. It takes into account engine usage and health, parts availability, cost structures, and a multitude of other factors, and can forecast spare engine needs to cover the MRO period.

If you want to keep an eye on your stand, we can fit a **stand tracker** so you will always know where your stands are, anywhere in the world.

