



Fuel Tank Sanitization

Protection against biofilm

The LHT Fuel Tank Sanitization – an innovative solution developed by Lufthansa Technik to tackle the growing concern of microbial contamination in aircraft fuel tanks. This revolutionary tank health improvement addresses the challenge of biofilm build-up that poses serious risks to aircraft structural integrity and fuel system components.

The LHT Fuel Tank Sanitization, as compared to standard AMM cleaning procedures, provides a holistic solution for the effective elimination of hazardous biofilm. It substantially lowers the risk of future corrosion and system damage, thus enhancing aircraft safety and reducing maintenance expenses. Our sanitization process is provided at our Hamburg facility using specialized equipment.

Benefits

Corrosion Prevention: significantly reduces biofilm, safeguarding aircraft integrity and cutting maintenance costs.

Enhanced Aircraft Utilization: reduces fuel tank contamination risks for safer extended ground times.

Efficiency: Our innovative process reduces downtime, swiftly removing biofilm for faster aircraft turnaround.

Sustainability: Our eco-friendly process effectively manages contamination without biocides.

Certified Cleanliness: Our solution is cross-checked with food-grade certification, meeting aviation industry cleanliness standards.



Lufthansa Technik



Image 1: Tank at the beginning of cleaning process with biofilm accumulation.



Image 2: Tank during process of sanitization using our specialized technique and eco friendly solution.



Image 3: After the sanitization and comprehensive removal of biofilm build-up.

How the process works:

1

Initial Assessment

Tank assessed for biofilm build-up.



2

Sanitization Process

Eco-friendly sanitization during maintenance layover.



3

Inspection

Inspection cross-checked with food-grade certification.



Done! Achieved in a shorter time than with chemical cleaning agents.

Protect your aircraft from microbial contamination.

Experience the benefits of our LHT Fuel Tank Sanitization for enhanced aircraft safety, reduced maintenance costs, and improved operational efficiency.

While our solution is effective against biofilm, it doesn't guarantee new fuel tank contamination eradication due to various factors.

Lufthansa Technik has developed a fuel tank health program and is exploring more tools for better prevention next year.

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