

# AerSafe™

FUEL TANK IGNITION MITIGATION SYSTEM



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FUEL TANK IGNITION MITIGATION SYSTEM

AerSafe™, a fuel tank flammability reduction system developed by AerSale, is one of the few FAA approved ignition mitigation means currently available that complies with the Fuel Tank Flammability Reduction (FTFR) rule. The FTFR rule requires fuel tank ignition sources and flammability exposure to be reduced in fuel tanks that are most at risk.

The AerSafe system limits the amount of available oxygen that can ignite fuel vapors and prevents sparks from initiating an explosion. It has been tested and developed to exact tolerances to fill the cavity of Boeing and Airbus center fuel tanks.

## NEW AERSAFE STC CERTIFICATIONS

AerSale has a proven track record for STC certification of AerSafe. The AerSafe team has extensive experience adapting AerSafe to new airframe types, and our subcontract partners have demonstrated a commitment to providing rapid support to obtain STC approvals. We currently have approved STCs for B737 CL, B737 NG, B767-200/-300, and Airbus A321 series aircraft.



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## AERSAFE FEATURES

- The inspections required under the CPCP and EWIS program can be accomplished concurrent with the installation.
- Lead time less than six (6) weeks, and requires as little as six (6) days aircraft downtime for installation.
- Does not require maintenance between heavy check visits or special tooling to remove and install the parts. No moving parts to break or overhaul.
- Requires zero structural changes.
- Approved with the Fuel Jettison system activated.
- Includes four (4) year warranty from installation.

## BENEFITS OF AERSAFE

- Nothing to turn on (its always on)
- **No** pilot monitoring
- **No** moving parts
- **No** pressure lines or relief valves
- **No** explosion sensing devices
- **No** functional components to fail, maintain, monitor, or perform other periodic inspections
- **No** onboard high pressure storage vessels to protect
- Self-healing characteristics

## PERIODIC MAINTENANCE AND INSPECTION

System is monitored during routine fuel filter replacement intervals

## LIFE EXPECTANCY

Studies have estimated that the expected life of AerSafe is between 10-25 years. Tests have not encountered any cases of material degradation as of this presentation.



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## AERSAFE INSTALLATION KITS INCLUDE

- All required materials
- Installation instructions
- Aircraft Maintenance Manual supplement
- Aircraft Flight Manual supplement
- License to use AerSafe on a single aircraft by serial number
- All tooling, equipment, and manpower required for installation

## SPARE PARTS

Purchase of individual replacement parts are permitted; complete kits and replacement parts are readily available.

## AERSAFE INSTALLATION

All AerSafe kits feature a six (6) week lead time

Aircraft Type	Install Duration
B737-300/400/500	3 Days
B737-600/700/800	3 Days
B767-200/300	6 Days
B777	6-10 Days*
A319/320/321	3 Days
A310	6 Days*

\*Estimated Installation Duration



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## CURRENT FAA APPROVED AERSAFE STCS

AIRFRAME	FAA STC
Boeing 737-300/400	ST03589NY
Boeing 737-600/700/800	ST02980NY
Boeing 767-200/300	ST03599NY
Airbus A321	ST04010NY

## PLANNED FAA APPROVED AERSAFE STCS

AIRFRAME	STATUS
Airbus A319/320	FAA STC Project #ADC-0004
Airbus A310	Center Fuel Tank Mapping Completed
Boeing B777	Center Fuel Tank Mapping Completed (-200ER/-300)



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Trust AerSale to help you navigate the FAA compliance process and ensure your aircraft fully meet the mandated performance requirements.

For more information, contact:

