# MILACAS-XR
## TCAS II Processor
for tanker and transport aircraft

## Military Airborne Collision Avoidance System Extended Range (MILACAS-XR)
Incorporates Change 7.1 logic and hybrid surveillance to provide a 2x greater surveillance range than ETCAS, significantly reducing the risk of collision while meeting mandates for civilian airspace access.

## Safety
**Increases Flight Safety**
Identifies all aircraft in range of surveillance of up to 100 nautical miles
- Reduces Pilot Workload
- Advisory Action Callouts

## Performance
<table>
<thead>
<tr>
<th>2x</th>
<th>Greater Surveillance Range than ETCAS</th>
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<tbody>
<tr>
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<td>Delivers same functions as ETCAS, plus</td>
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<td>100 NM</td>
<td>Increased surveillance range to 100 nautical miles for 360° azimuth</td>
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<td>Improved interrogation methods</td>
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<td>Hybrid surveillance (automatic dependent surveillance broadcast - ADS-B)</td>
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<td>MILACAS-XR: Change 7.1 TCAS is compatible with the APX-119 IFF and other similar IFFs</td>
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## Value
**Up To 25,000 Hours**
Mean Time Between Failure (MTBF) Improved performance with lower cost of ownership

## Integrates
**MOPS Change 7.1 Technologies**
Includes safety related enhancements to TCAS and TCAS Reversals:
- Improves TCAS resolution advisory (RA) sense
- Issues RA reversals in coordinated encounters
- Updates TCAS reversal advisories for clarity

## Enables Safer Flight Formations
**Formation/Rendezvous System** allows aircraft operators to locate, identify, rendezvous with and maintain flight formation with other aircraft.

## Smart Traffic™ TPA-100 family of ACAS II Processors provides higher reliability and future growth to ADS-B In.
- MILACAS-XR approved for installation on all military aircraft
- Available in both a 6 modular concept unit (MCU) and 4 MCU model
- Meets current industry mandates for access to civilian airspace

## Reduced Maintenance Costs
Plug and play installation requires no aircraft modifications or changes to wiring, trays or antennas

## Drop-in Replacement
Knowledge and resources for all service needs – whenever and wherever maintenance and repair services are required

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