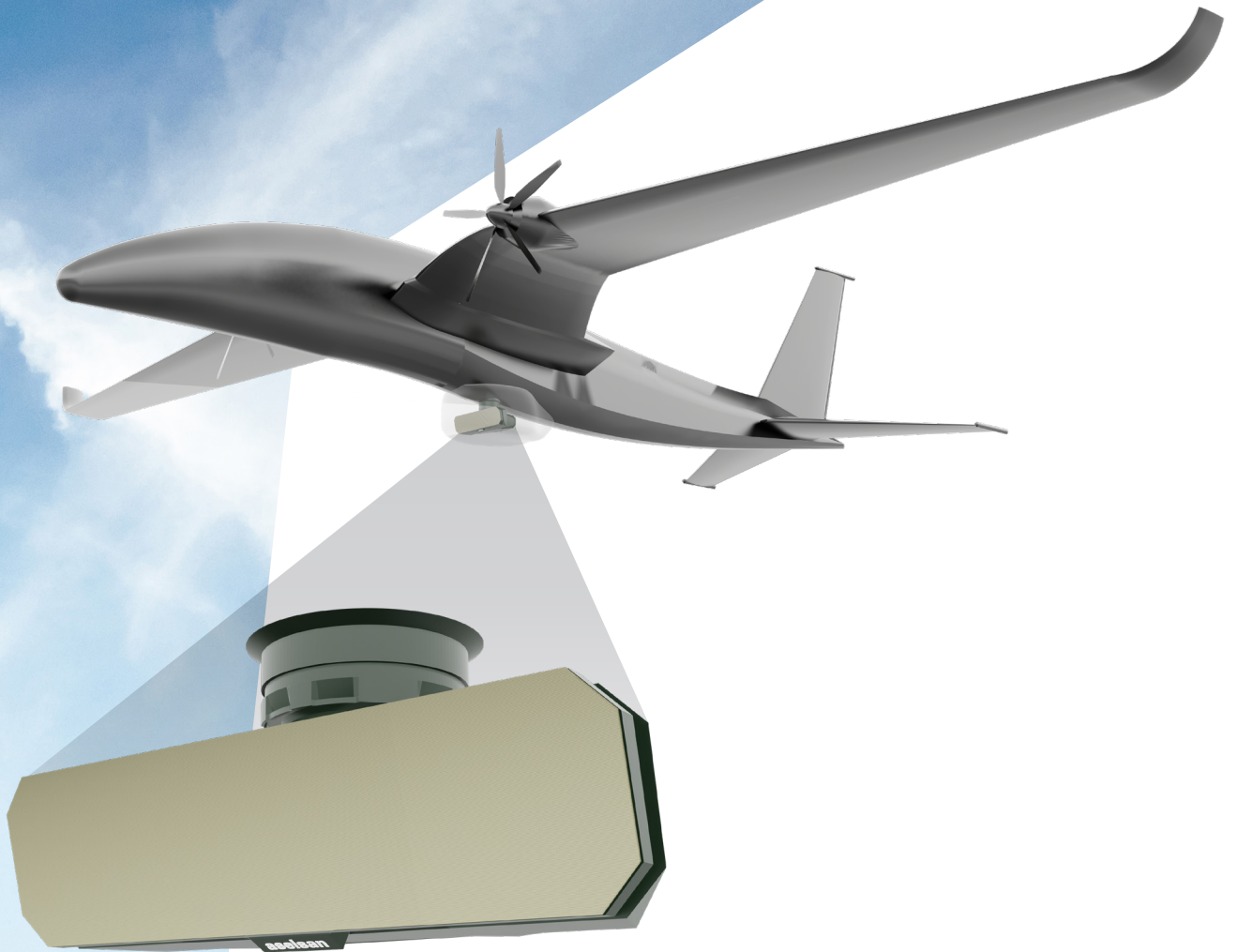


FULMAR | 500-A

LONG RANGE AIRBORNE MARITIME
SURVEILLANCE RADAR

#Radar



aselsan

FULMAR | 500-A

LONG RANGE AIRBORNE MARITIME SURVEILLANCE RADAR

FULMAR 500-A, abbreviated for “Frontier UAV Long-Range Multi-Mission AESA (Active Electronically Scanned Array) Radar” is ASELSAN’s airborne radar system designed for fixed wing UAVs or manned Maritime Patrol Aircraft in order to support Armed Forces in naval/ground/air surveillance and reconnaissance domains.

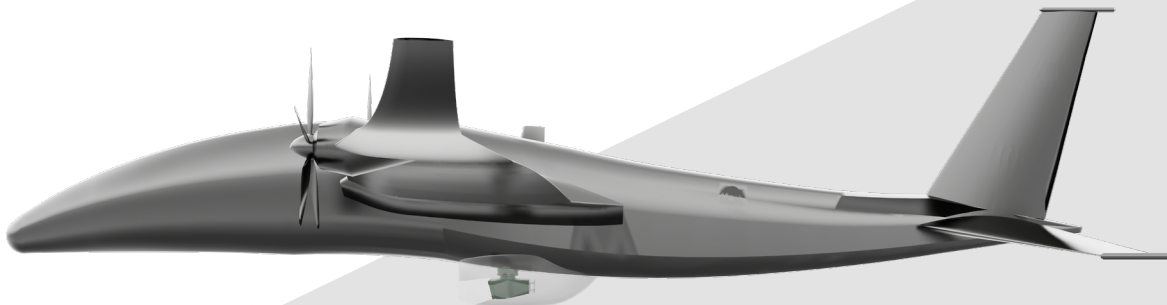
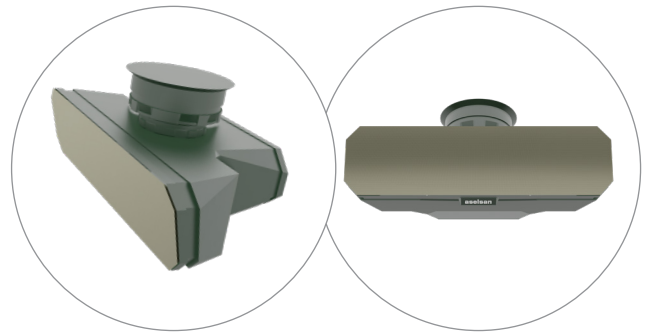
FULMAR 500-A offers below given superior capabilities in order to cover flexible mission requirements of naval forces in day/night and all weather conditions:

Technical Specifications

- Agile Beam Steering
- Digital Beamforming
- High Resolution 3D Radar
- Air to Air and Air to Ground Tasks
- High Resolution Stripmap and Spotlight Sar Imaging
- Sea Search and Isar Imaging
- Graceful Degradation within AESA Antenna
- Extended Detection/Tracking Ranges and High Target Count
- Small Target and Short Range Modes
- Weather Detection Mode
- Indigenous Radar Algorithms
- Target Classification and Identification
- Network-Centric Data Integration with Battle Management Systems
- Reliable and Accurate Tracking of Angularly Separated Targets
- Effective Interference Suppression by Multi Channel Receiver Architecture

System Description

- Operating Frequency : X-Band
- Instrumented Rang : > 200NM
- Weather Mode : > 320NM
- Under-the-Belly Integration
- Fast Platform Integration with Modular Design
- Continuous 360° Rotation in Azimuth
- Air Cooled Design
- Optional IFF Integration



Specifications are subject to change without any notice. | All tolerances are within $\pm 10\%$.