

MOST Mission Aircraft Overview

MOST - So close no matters how far

Feb2022



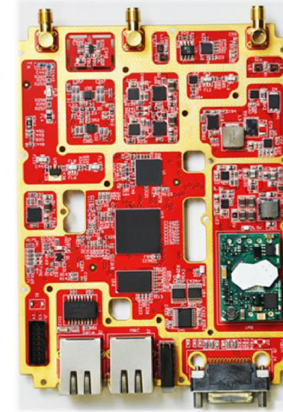
MOST

- Provides variety of mission aircraft solutions.
- Customized solutions in mission aircraft segment.
- Headquarters in ISRAEL, with a team of expert engineers.
- MOST is privately owned, debt free, profitable and fast growing.

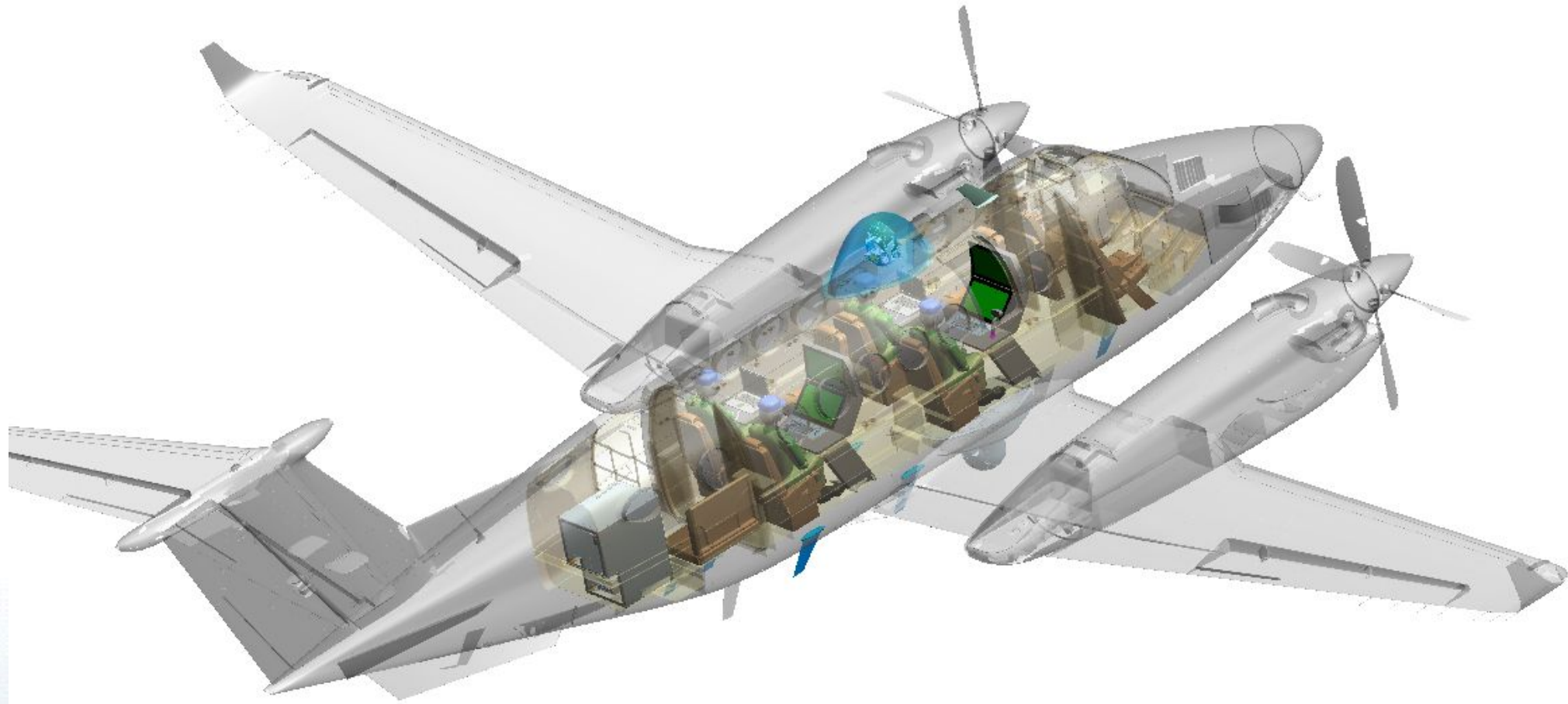


MOST Background & Timeline

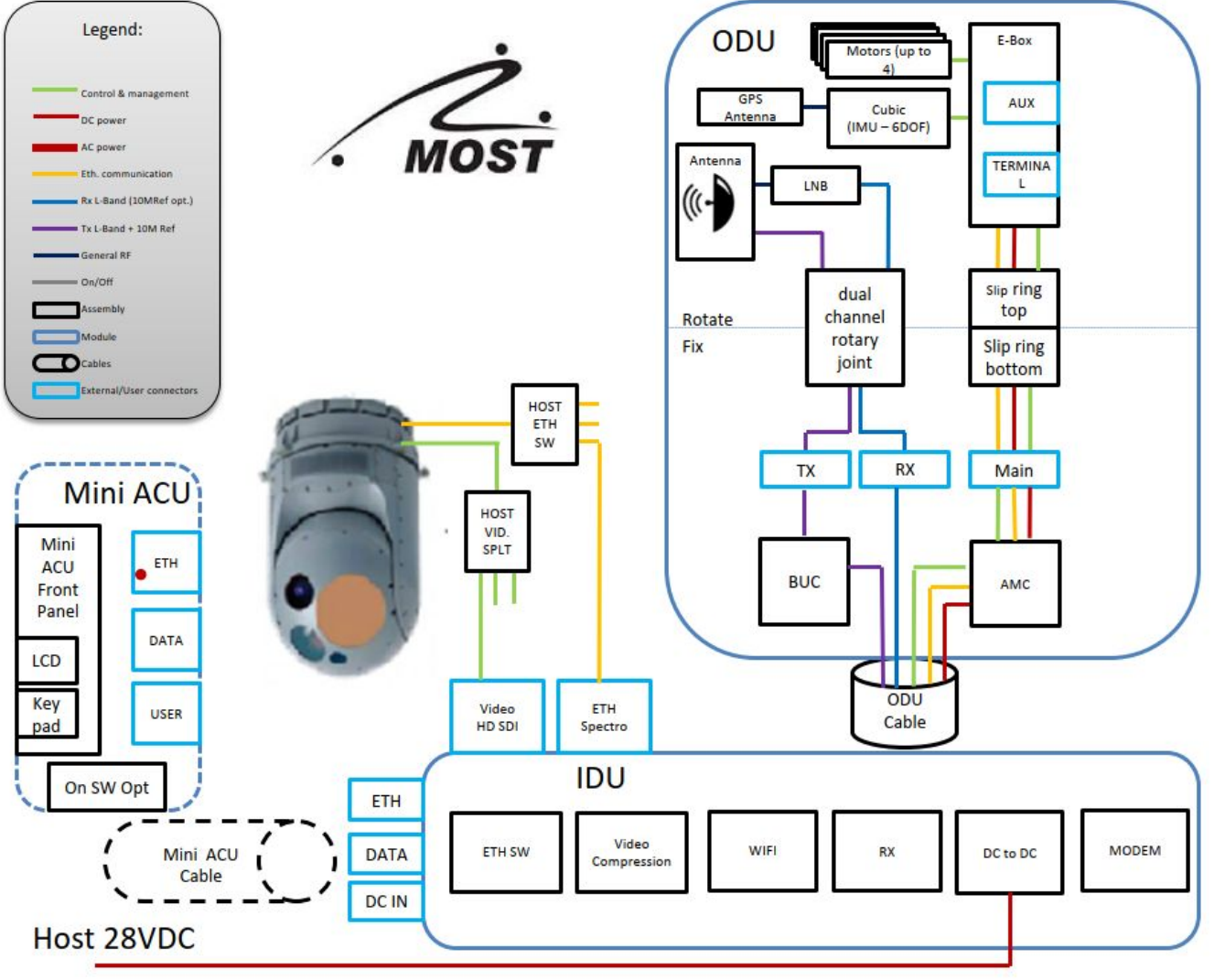
- Invented here:
 - MODEM
 - IMU and Control system
 - Antennas (patents)
- In house engineering (not a glue company)
- Trusted source of products for the leading defense and civil integrators.



MOST King Air 350 mission aircraft SIGINT / Electro Optical / SATCOM

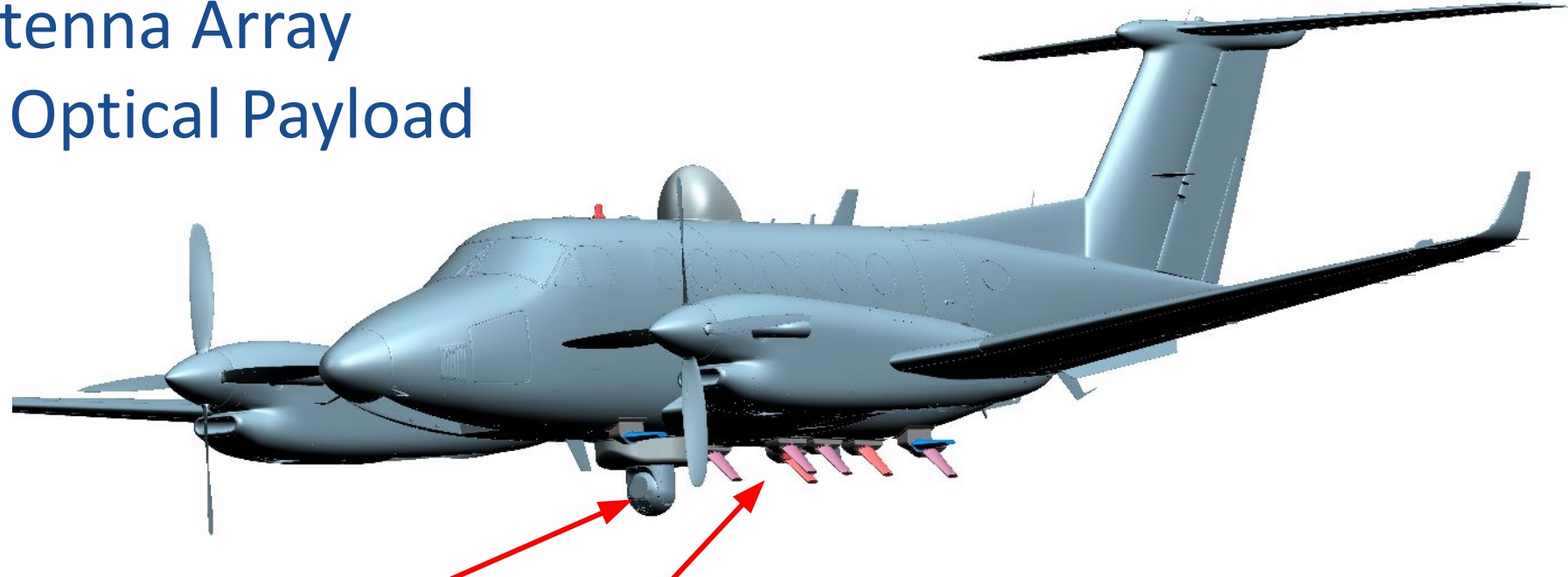


MOST King Air 350 mission aircraft Block Diagram



MOST King Air 350 mission aircraft

- SIGINT Antenna Array
- Electro Optical Payload

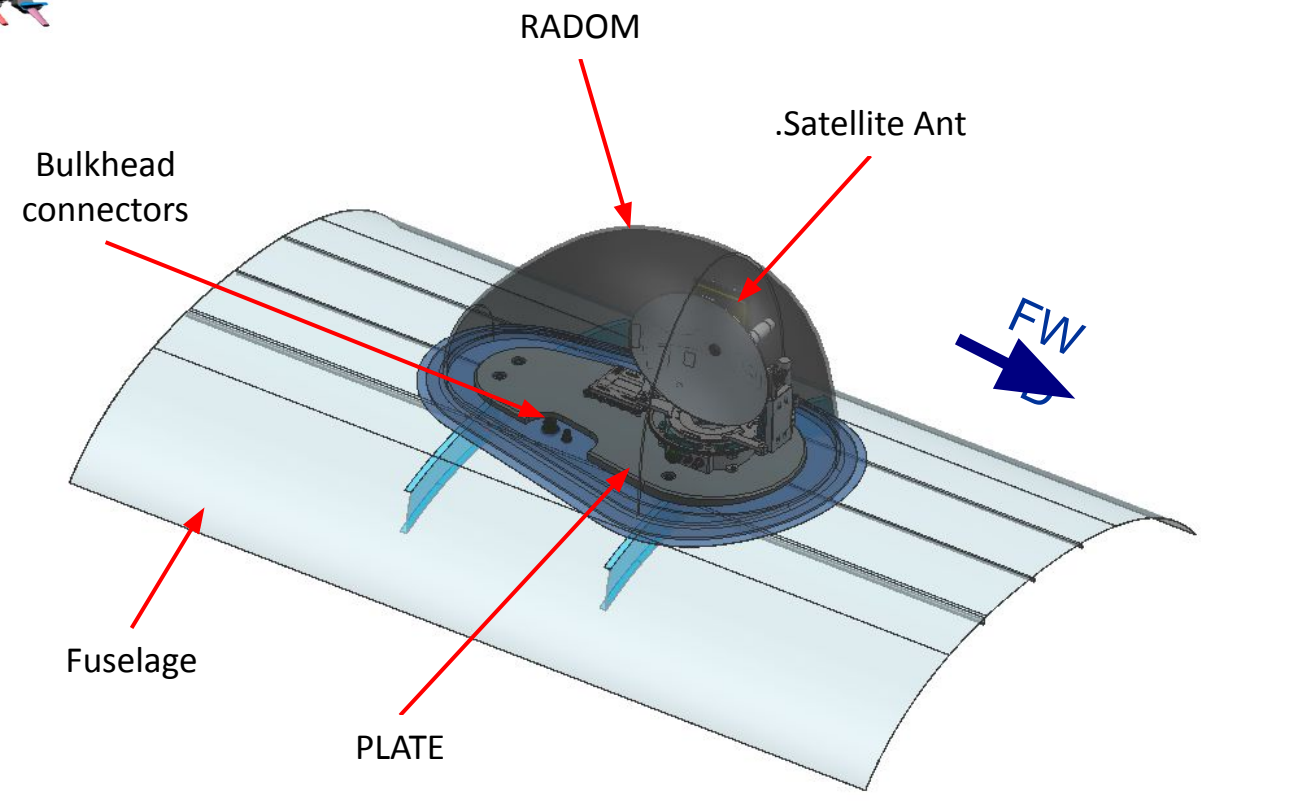
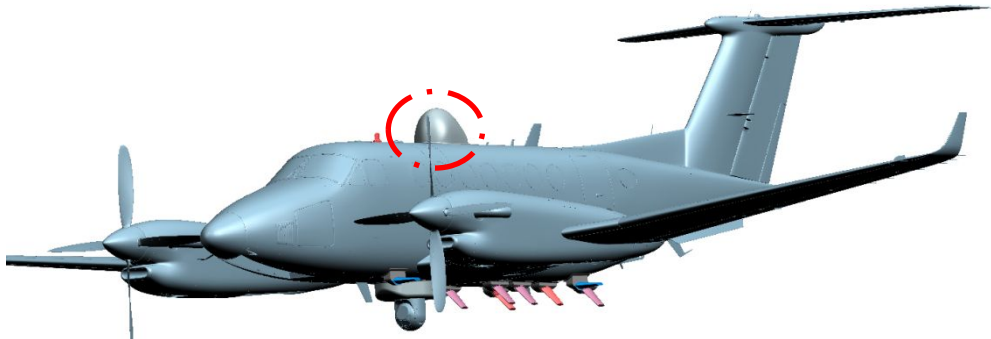


Electro Optical Payload

SIGINT Antenna Array



MOST King Air 350 mission aircraft SATCOM



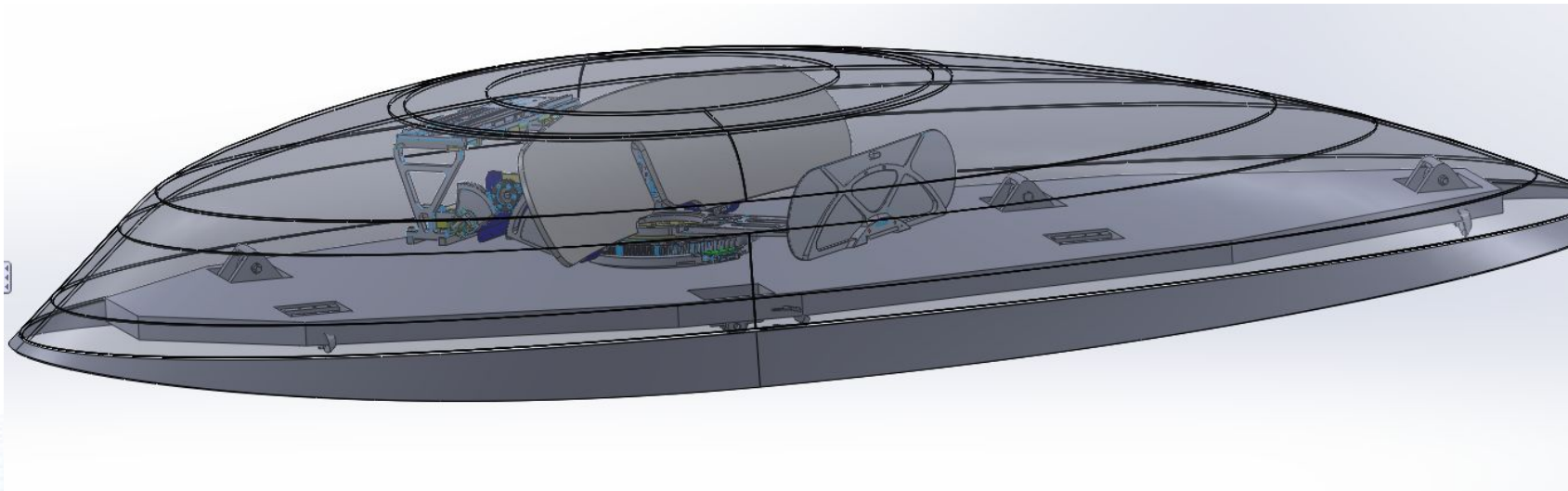
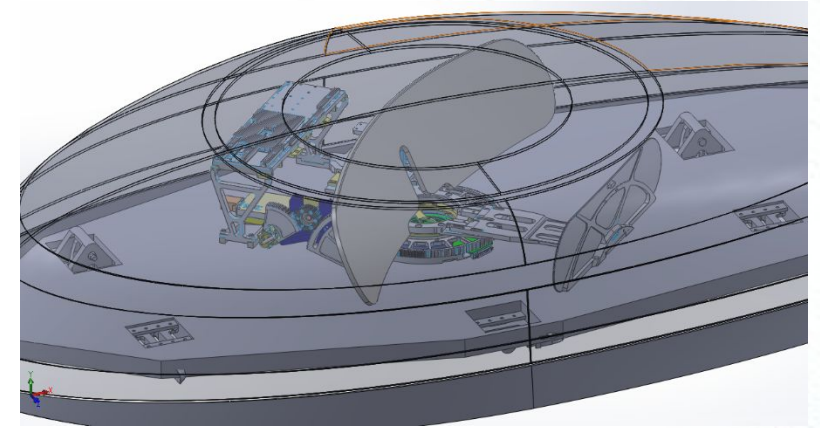


MOST King Air 350 mission aircraft Operator Console

- Upper Display 21.5" – Cartnav sys.
- Lower Display 21.5" - EOP Viewer
- EOP Joy Stick
- EOP Control Panel
- Intercom
- RJ45 Internet.
- USB Charger.
- PL 3.5 Connector.
- 115V AC
- Gooseneck led light



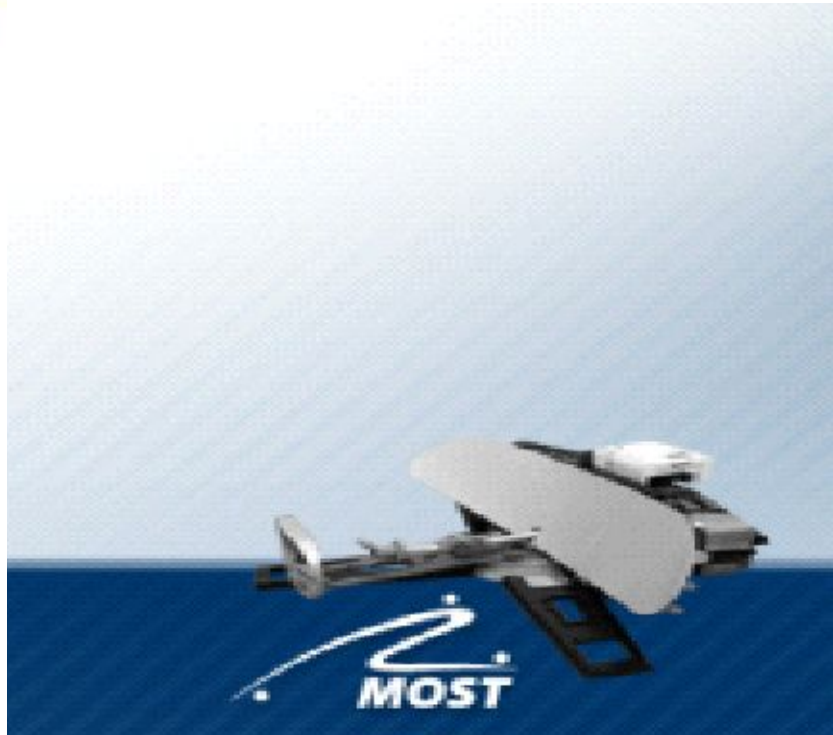
WIDE BODY Solution mission aircraft MKu40A / MKa40A



WIDE BODY mission aircraft Solution Radom



FEATURES	BENEFITS
Available in Ka, Ku, and Ka/Ku	<ul style="list-style-type: none"> Reduces radome development time to market and drives lower cost solution
Adapter plate may be customized to match existing radome configurations	<ul style="list-style-type: none"> Existing SATCOM antenna-radome designs can be accommodated, saving both time and money
ARINC 791 SATCOM System Installation compliant	<ul style="list-style-type: none"> Adaptable to current and future antenna technology upgrades Now available in over six configurations Ability to update antenna technology in the correct frequency band for faster project execution
Lift/Drag Ratio A320: 32.5, 777-300ER: 2.5	<ul style="list-style-type: none"> Lightweight and compact in size and curvature decreases drag impact for airline fleets, increasing flight time
Retrofit and line offerable	<ul style="list-style-type: none"> Enables full-fleet installation with common part numbers, maintenance procedures, and spares fulfillment
Aerodynamic skirt	<ul style="list-style-type: none"> Follows fuselage curvature without requiring a large installation doubler, sealants, or additional fasteners through the aircraft skin Airbus line fit and retrofit offerable – A320, A330, A340, A350, A380 Boeing retrofit offerable – 737, 747, 777



MKu40A / MKa40A Specifications

Ka antenna

Rx. Frequency range:	18.4GHz – 21.75GHz (in 1 bands)
Tx. Frequency range:	27.5 GHz – 31.0GHz (in 1 band)
IF Frequency:	950-2150MHz
Antenna Gain: Rx: 38dB, Tx: 40dB	
G/T:	Min: 13.1 dBi/°K, Typ: 14 dBi/°K
EIRP UPL(25W BUC):	53dBw
Polarization:	Circular
SSPA.[P1dB]:	12W or 25W

Ku antenna

Rx. Frequency range:	10.75GHz – 12.75GHz (in 1 bands)
Tx. Frequency range :	13.75 GHz – 14. 5GHz (in 1 bands)
IF Frequency:	950-2150MHz
Antenna Gain:	Rx: 34.1dB, Tx: 35.4dB
G/T:	Min: 10.8 dBi/°K, Typ: 11.6 dBi/°K
EIRP UPL (40W BUC):	50.4dBw
Polarization:	Linear continues
SSPA.[P1dB]:	40W



HUB Stations: Multiple Apps Multiple platforms



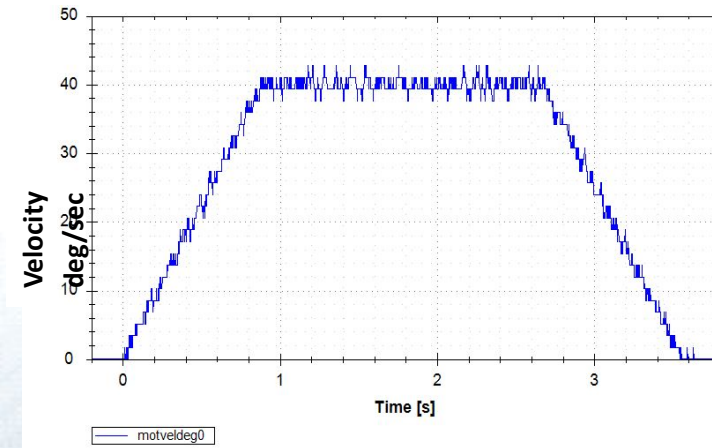
**Encryption
Routing**

**Customer
Application**



Customer support: On site, Remote access, Telephone support

- On the ground **worldwide support**.
- Propriety **SCOP** software. Local and remote access / update / Debug all in real time.



END

