



SUMMARY AND OVERVIEW



ABOUT US

- An experienced airborne service provider that delivers turn-key surveillance solutions globally.
- Operators of Manned and Unmanned platforms in difficult and hazardous environments
- Teams of highly experienced Commercial and Military pilots & operators
- Years of operational experience and thousands of hours of operational flying we have provided:
 - ✓ Contracted services in hostile environments for various Military and Government Agencies
 - ✓ Total ISR package to an African Airforce, including aircraft procurement, training and operational doctrine
 - ✓ Surveillance for National Critical Infrastructures to various countries.
 - ✓ Maritime patrols and migrant monitoring for Non Government Organisations (NGO)

SOLUTIONS

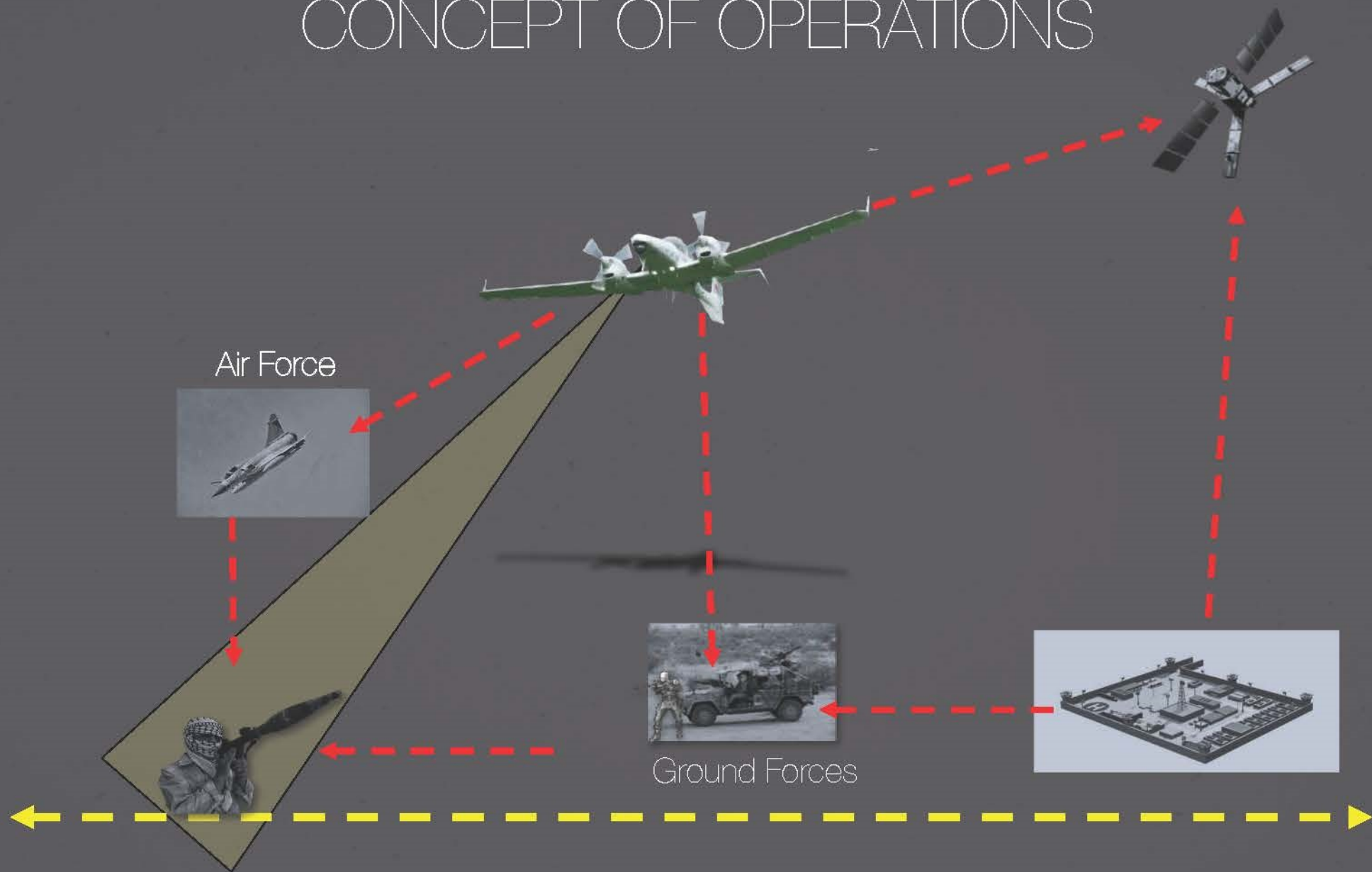
AEROSPACE offers turnkey solutions to meet all requirements



Our solutions

- Border Control Solutions
- C4i / Command & Control, Computer, Communication and Intelligence
- Battlefield surveillance
- Intelligence gathering (SIGINT)
- Homeland Security Solutions
- Total Coastline Security
- Critical infrastructures surveillances (pipelines, railways, etc...)
- NGO support

CONCEPT OF OPERATIONS



MISSION EQUIPMENT

Communications Package

- Secure voice/data UHF/VHF radios
- Secure line of sight (SLOS) for live full motion video
- Secure beyond line of sight (SBLOS) over the horizon satellite communications
- Signals Intelligence (SIGINT) interception of radios, cell phones and satellite communications



Sensor Equipment – Electro Optical day & night HD camera

- IR thermal imager, HD colour and low-light cameras
- Day, night all weather operations
- ultra-long range imaging performance through 120x Magnification
- Internal navigation & laser options for precise targeting
- Live transmission to ground personal





KING AIR 350ER - high altitude surveillance

- Max cruise speed: 300kts
- Max Operational Range: 2400nm
- Service Ceiling: 35,000ft
- Airborne Time: 8+ Hrs
- 2 pilots
- 1 or 2 sensor operators
- Pressurised cabin



CESSNA CARAVAN - surveillance

- Max Cruise Speed: 185kts
- Max Operational Range: 1070nm
- Service Ceiling: 25,000ft
- Airborne Time: 6Hrs
- 2X EO IR cameras
- 1 Pilot
- 1 or 2 sensor operators as required
- Can be easily reconfigured for PAX, cargo or MEDEVAC





DIAMOND DA42MPP - covert surveillance

- Purpose-built surveillance platform
- Max cruise speed: 172kts
- Max operational range: 700nm
- Service ceiling: 18,000ft
- Airborne time: 8hrs
- Two man crew
- Slow and silent – true covert operations
- Inaudible above 1,000m
- Very low IR signature paint scheme
- Tested against Surface to air missiles



UNMANNED OPTIONS

Operate and provide full range of of UAS:

- Man-portable (one-box) system ready to be deployed in minutes.
- Versatile & tactical UAS
- Medium altitude long endurance (MALE) UAS.
- 30+ hour mission endurance
- Multiple payload options based on mission requirements
- Larger airframes offer dual payload options allowing different missions to be run concurrently



CONTRACT EXAMPLE

AEROSPACE



12 month supply of manned/unmanned aerial surveillance

- Available 24 hours per day 7 days per week
- 2,400 – 4,800 hours per year contract
- 200 - 400 hours per month ISR services
- Additional hours per month avail for surge requirements

OPERATION RATIONALE

AEROSPACE

Our operations are conducted in accordance with customer approved Ground and Flight Operations Procedures (FOP/GOPs).



Flight operations personnel

We provide manning at a level capable of sustaining up to 200 hours per month. For normal ops tempo planning (non-surge), we plan for a single line per day for up to 10 flight hours per mission. The following personnel is deployed to support operations:

- Site Lead (1)
- Pilots (4/5) - Typical operations are day on/day off but can be stepped up to accommodate mission needs
- Airborne Sensor Operators (ASO) (2/3)



Ground support personnel

We operate and sustain the ISR aircrafts. We are self-sufficient, providing personnel, equipment and all required spares. The staffing includes the following:

- Lead Technician / Engineer (1)
- Aircraft Technicians (1/2)
- Data Systems Integrator (1)
- Deployed Logistician (1)