

COBHAM

AEROSPACE COMMUNICATIONS



**THE MOST IMPORTANT THING
WE BUILD IS TRUST.**

www.cobhamaerospacecommunications.com



WHO WE ARE

**For us,
Every Mission
Matters.**

Cobham Aerospace Communications is a world leader in each of its various offering

- Audio and Radio management,
- Antennas,
- Satcom,
- Lights and clocks.

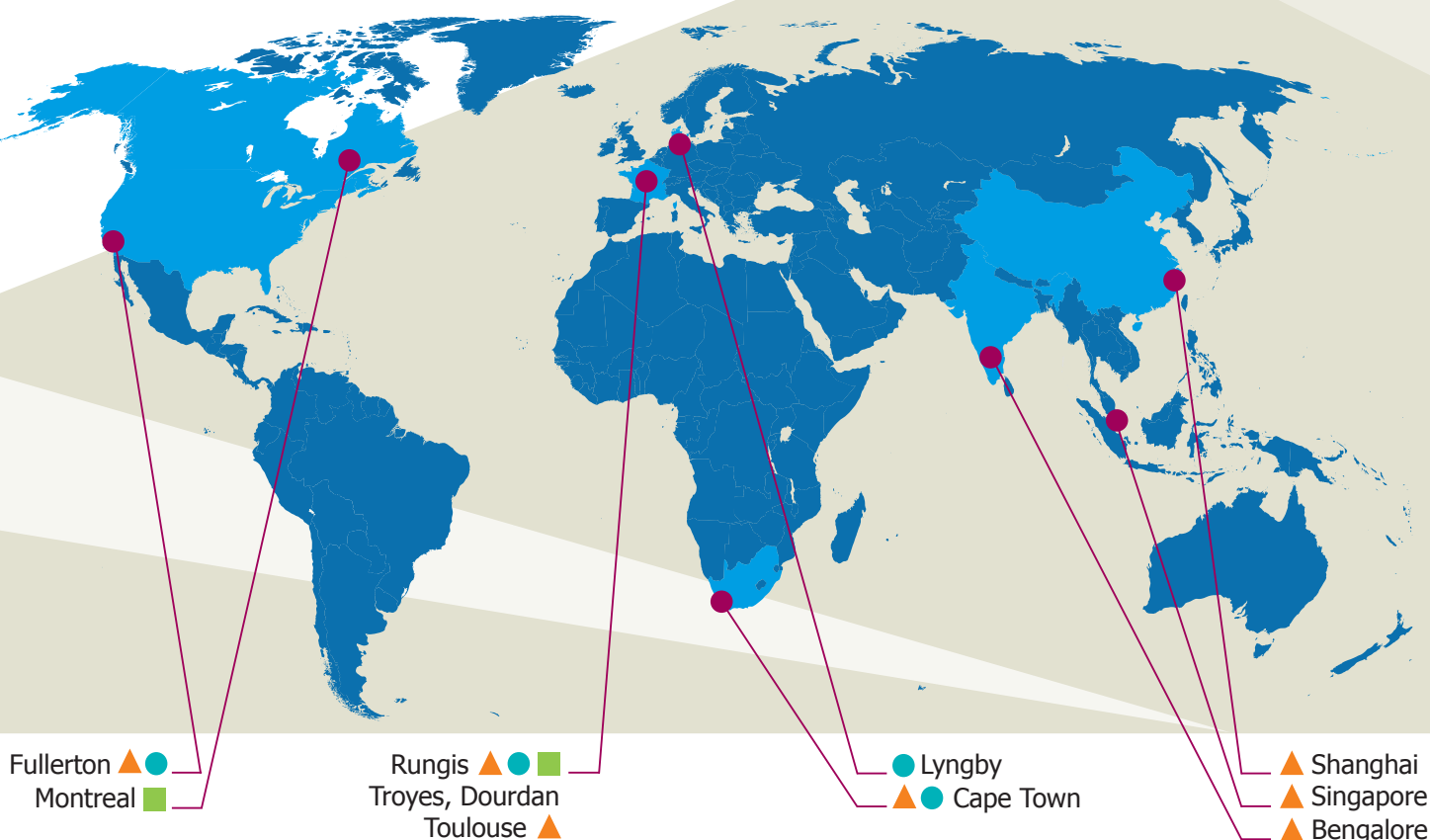
Its solutions are at the leading edge of technological development.

In the fields of commercial aerospace, defence and security, the Cobham innovative and high performance solutions provide low weight, compact size and integration, enabling our customers' assets to perform to their maximum potential, save cost and fly greener.

LOCATIONS

Aerospace Communications

- ▲ Sales / Representation Office
- Production & Engineering
- Support & Services



AVIONICS SYSTEMS

Cobham Aerospace Communications has developed the large range of aircraft avionics systems for commercial, military, and special-mission aircraft.

Cobham has more than 60 years of experience in design, development and manufacturing of aircraft avionics systems including **radio and audio control and management, technical standard ordered radio, tactical radio, and airborne server and router solutions.**

Always focused on innovative and technically-differentiated aircraft avionics systems, year-after-year Cobham contributes to key operating improvements in weight reduction, increased component integration, and reduced power consumption through its customer-focused Design-for-Environment initiative.

Offering system-level aircraft avionics systems solutions to Tier 1 customers, our prime objective is customer satisfaction with an On-Time-To-Promise delivery rate of over 99% and a worldwide product support organisation.

Aircraft Audio and Radio Management System

Cobham has built its experience in audio & radio management systems for aerospace applications, ranging from general aviation to helicopters, business jets and commercial airliners.

Cobham's radio and audio management solutions are available to answer the demanding environment and operational specificities from small- to wide-body airborne platforms.

Linefit or retrofit solutions are available and may be interfaced with most civil and military radios. Cobham's reputation is based on extensive, global experience and proven support of customer programs.



AIRCRAFT SATCOM SYSTEMS

From entertainment to safety, reliable satcom is vital on any aircraft.

Choosing AVIATOR ensures high-quality voice and data communication for passengers and crew.

By enabling the '**office in the sky**', passengers can stay connected using social media, email, fax and voice calling whilst logistical, navigation and safety functionality supports cockpit communications and safe and efficient operations for aircraft and fleet operators.

The AVIATOR portfolio of SwiftBroadband and Classic H+ systems provides voice and data connectivity for both cockpit and cabin communications, ensuring that passengers, crew and operators experience fast and reliable connectivity at all times.



C&N ANTENNAS

To communicate with complete confidence on land, at sea, and in the air.

Cobham Aerospace Communications is the world leader in the design and manufacture of antennas.

High technology antennas for communication, navigation, surveillance, and data link applications in the world of commercial and military aircraft, space launchers, satellite and cubeSat, missiles, infrastructure, tactical mobile ground installations, and naval applications.

Always innovating with new technologies, Cobham Aerospace Communications continuously invests to improve **performance levels, stealth, reduce weight, drag, and signature.**

- **Airborne:** Multiple antennas for civil and military aircraft to meet VHF, UHF, L-band, Air to ground connectivity, Ku-band and Ka-band applications.
- **Land:** a huge range for fixed, tactical and OTM applications.
- **Space:** a widerange of high-tech embedded antennas for positioning and TT&C.
- **Maritime:** Robust antennas for naval and commercial vessels.



LIGHTS & CLOCKS

Ensure the best quality level.

A recognised leader in the creation of internal and external lighting and GPS synchronised electronic aircraft clocks.

Accustomed to the latest lighting technologies such as LED, HID and IR for VIS or NVIS operations, Cobham Aerospace Communications's Development for Environment process is used to bring low power consumption and reduced weight and size solutions, keeping in mind the priority for superior external aircraft lighting performance and comfort.

A range of airborne GPS-synchronized Electronic Aircraft Clocks, enabling on-board avionic systems to benefit from GPS precision and providing accurate time reference in degraded flight mode.

A full range for various types of airborne platforms, ranging from turboprop, commercial and special mission aircraft to helicopters. Complete in-house capabilities ensure the highest standards, from design to final manufacturing and support of the Clocks.



AVIATOR S

Connecting securely and safely as one team from ground to air.



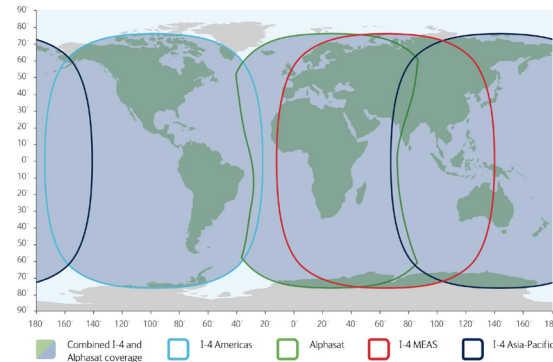
Aviator S is the latest variant in Cobham's Aviator Satcom terminal family and will support new IP based secure safety services for voice and data cockpit communications as defined by the RTCA DO262 standard.

Aviator S operates over the Inmarsat satellite constellation of geosynchronous satellites providing near global coverage.

Network enhancements to support these new services are being rolled out in parallel with Aviator S terminal development activities.

Cobham's Aviator S development commenced in 2016 with the

signature of a contract with Key Aircraft manufacturer. The Aviator 200S cockpit solution is certified, and the Aviator 700S cockpit cabin is nearing certification completion. Prototype terminals have been flying on the Airbus A320 and A350 test aircraft for 9 months.



Aviator S is selected and offered on most Aircraft communication platforms.



Airbus A320/330/380



Boeing 737Max / 777X

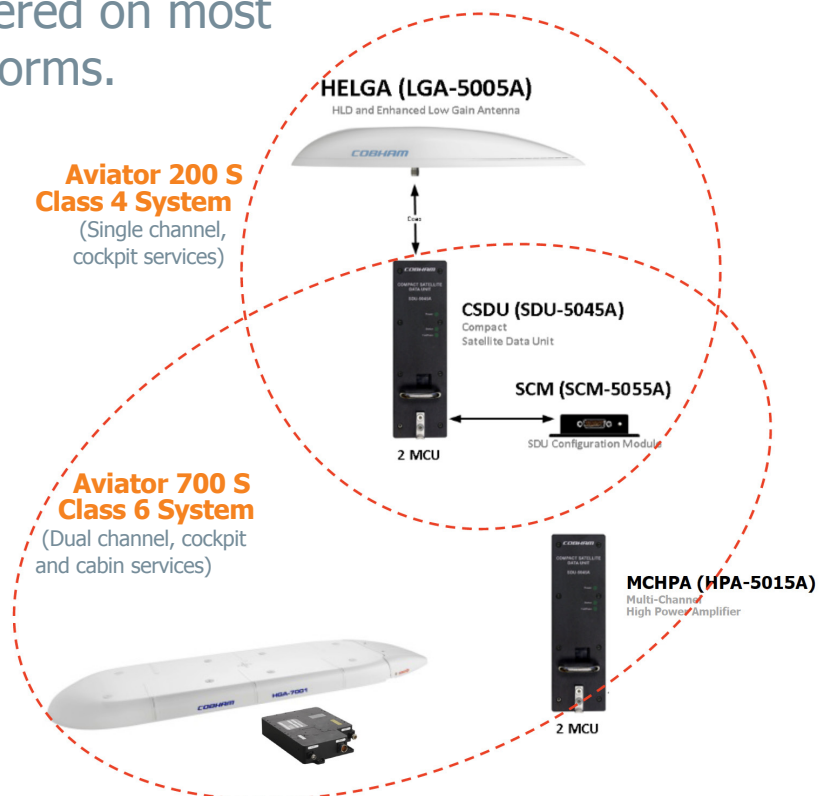


Comac C919

It can also be installed on various regional Bizjets aircraft packages.

Aviator 200 S Class 4 System
(Single channel, cockpit services)

Aviator 700 S Class 6 System
(Dual channel, cockpit and cabin services)



COBHAM AVIATOR S RANGE

Giving operational advantage to Aircraft,
Air Traffic Management, Airlines and
Airports.

Connecting the 4 A's!

Aircraft

Thanks to Cobham's AVIATOR S satcom solution we now benefit from vastly improved communications – both with Air Traffic Control as well as our Airline Operations Centre.

Air Traffic Management

The Cobham AVIATOR S allows us to implement the next generation of

Air Traffic Management that will allow us, despite significant increases in air traffic volume, to continue to deliver an optimum service.

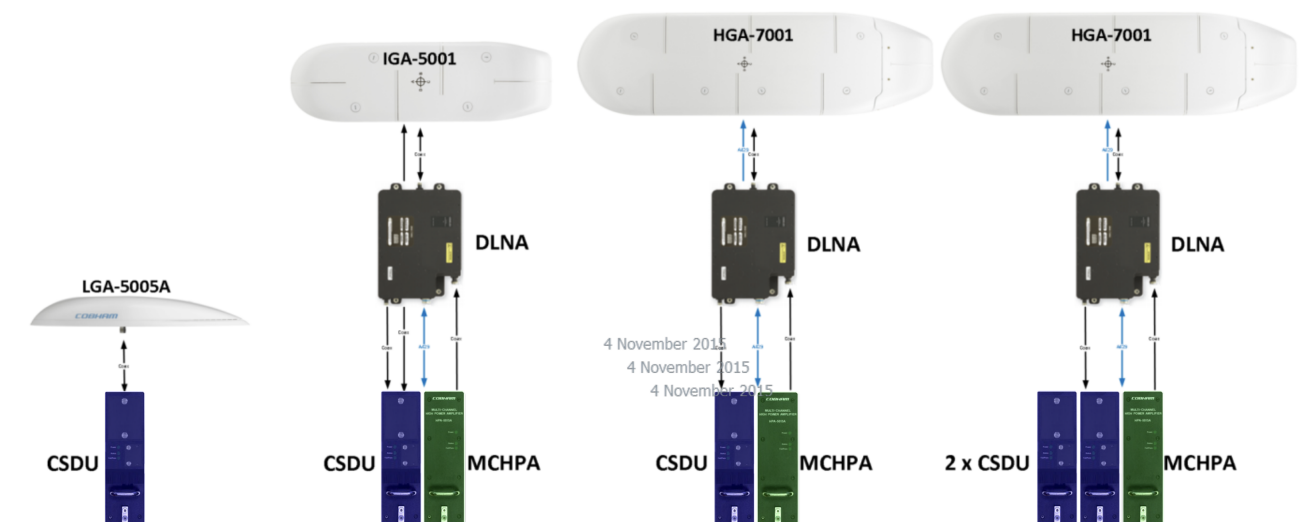
Airline

Thanks to real-time weather updates, we can avoid turbulence. Being a 'connected airline' means we can run more efficiently and effectively than before and

offer an overall better and smoother customer experience at reduced costs.

Airport

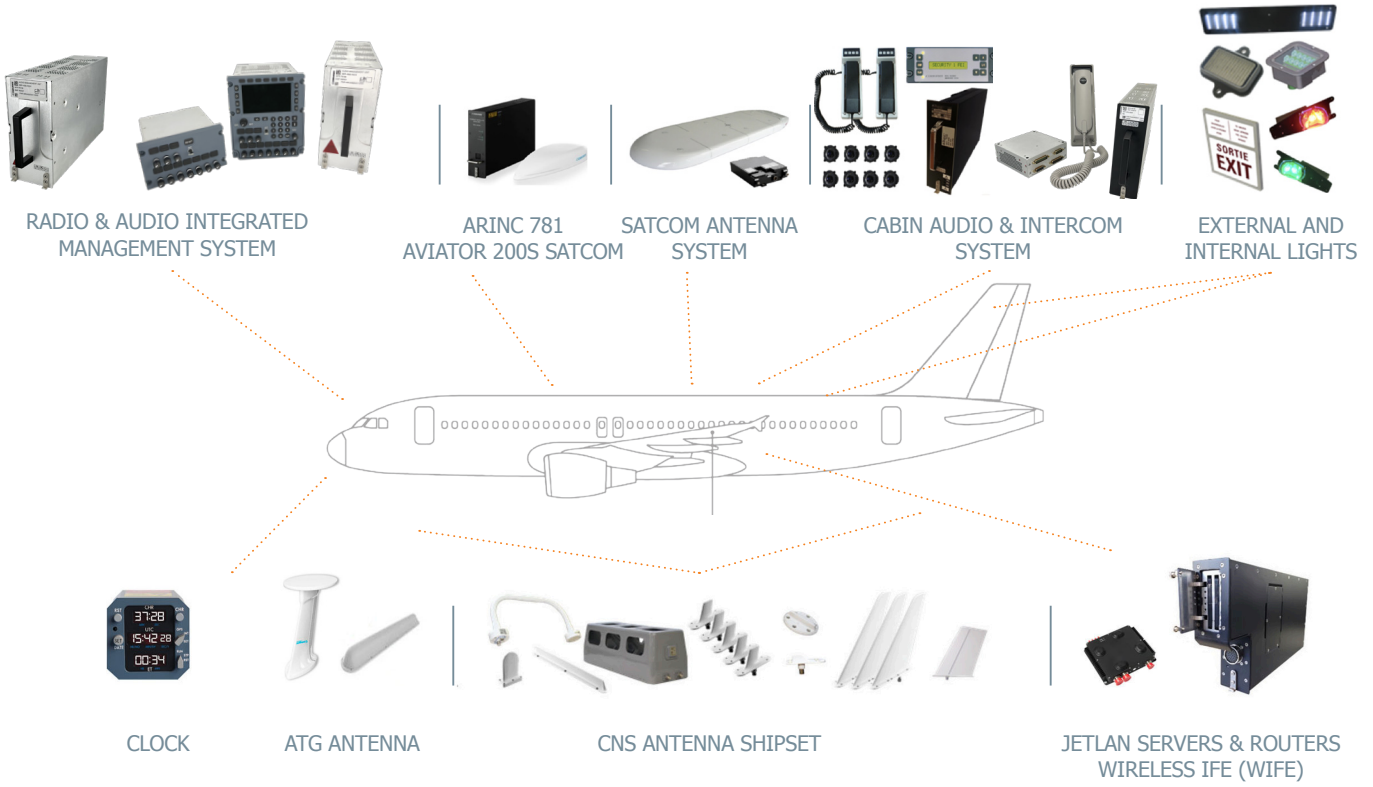
Real-time data exchanges between the airline and the airport gives us more precise information about incoming and outgoing aircraft, passengers and manifests, especially during times of disrupted operations.



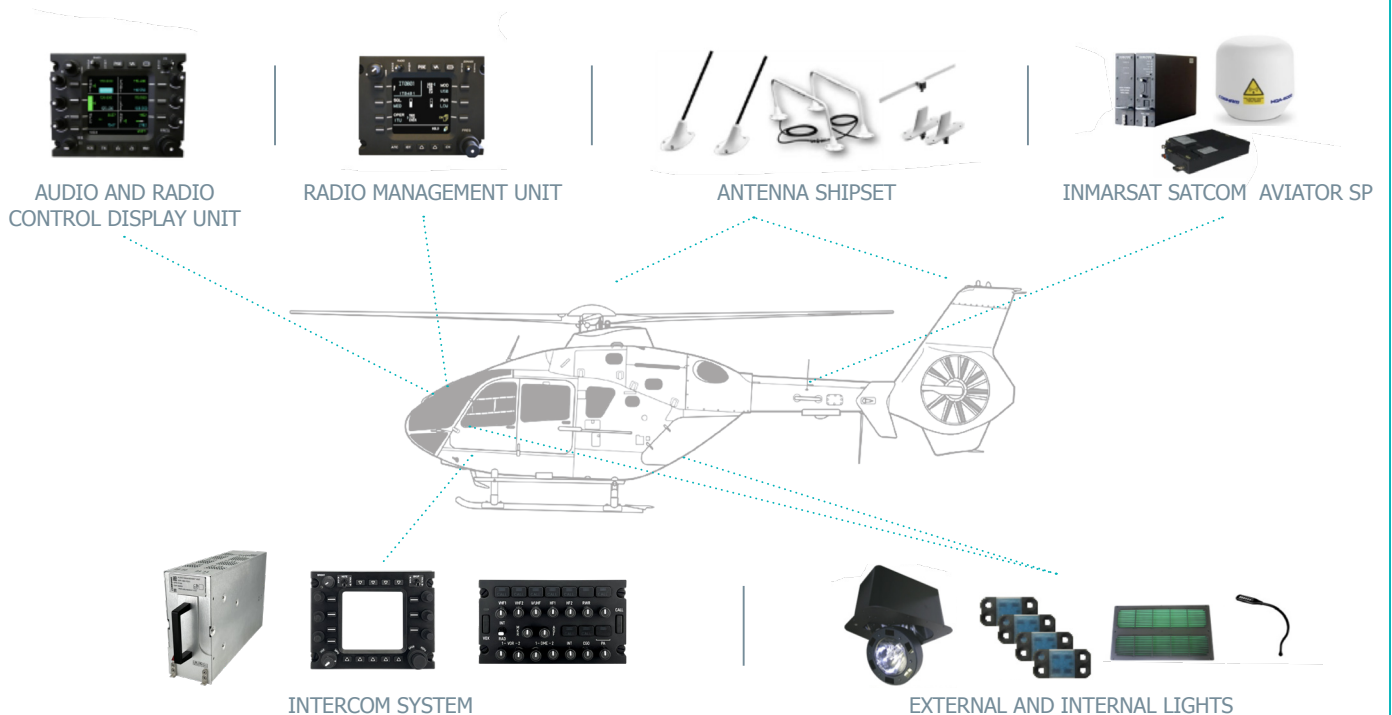
AVIATOR 200S Class 4 Single SBB	AVIATOR 600S Class 7 Dual SBB	AVIATOR 700S Class 6 Dual SBB	AVIATOR 1400S Class 6 Quad SBB
1 x 200 kbps	2 x 332 kbps (/HDR*) * Will support HDR services	2 x 432 kbps (/HDR*)	4 x 432 kbps (/HDR*)
CSDU HELGA	CSDU MCHPA IGA-5001 +DLNA Type F	CSDU MCHPA HGA-7001 +DLNA Type F	2 x CSDU MCHPA HGA-7001 +DLNA Type F
~5 kg excl. cable, tray	~15 kg incl. Antenna excl. cable, tray, antenna adapter	~20 kg incl. Antenna excl. cable, tray, antenna adapter	~24 kg incl. Antenna excl. cable, tray, antenna adapter



COMMERCIAL FIXED-WING



ROTORCRAFT





SPECIAL MISSION MILITARY TRANSPORT AIRCRAFT



RADIO MANAGEMENT PANEL



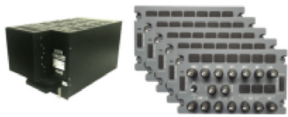
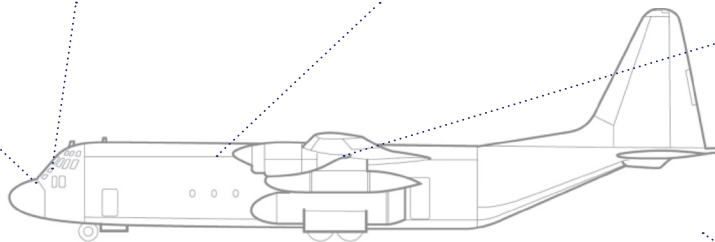
CLOCK



INMARSAT SATCOM AVIATOR 700D



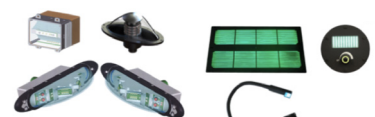
CNS ANTENNA SHIPSET



AUDIO AND RADIO MANAGEMENT SYSTEM



CARGO ADDRESS AMPLIFIER SYSTEM



EXTERNAL AND INTERNAL LIGHTS



BUSINESS JETS



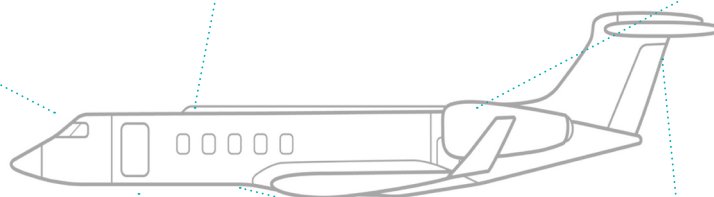
CLOCK GPS SYNCHRONIZED
2 ATi SIZE



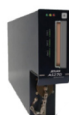
COCKPIT AND CABIN CONNECTIVITY



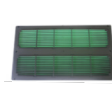
ANTENNA SHIPSET



SERVERS & ROUTERS ATG ANTENNAS
WIRELESS IFE (WIFE)



EXTERNAL AND INTERNAL LIGHTS



STANDARD AUDIO & RADIO SYSTEM VS DRAIMS

Digital Radio and Audio Integrating Management System (DRAIMS)

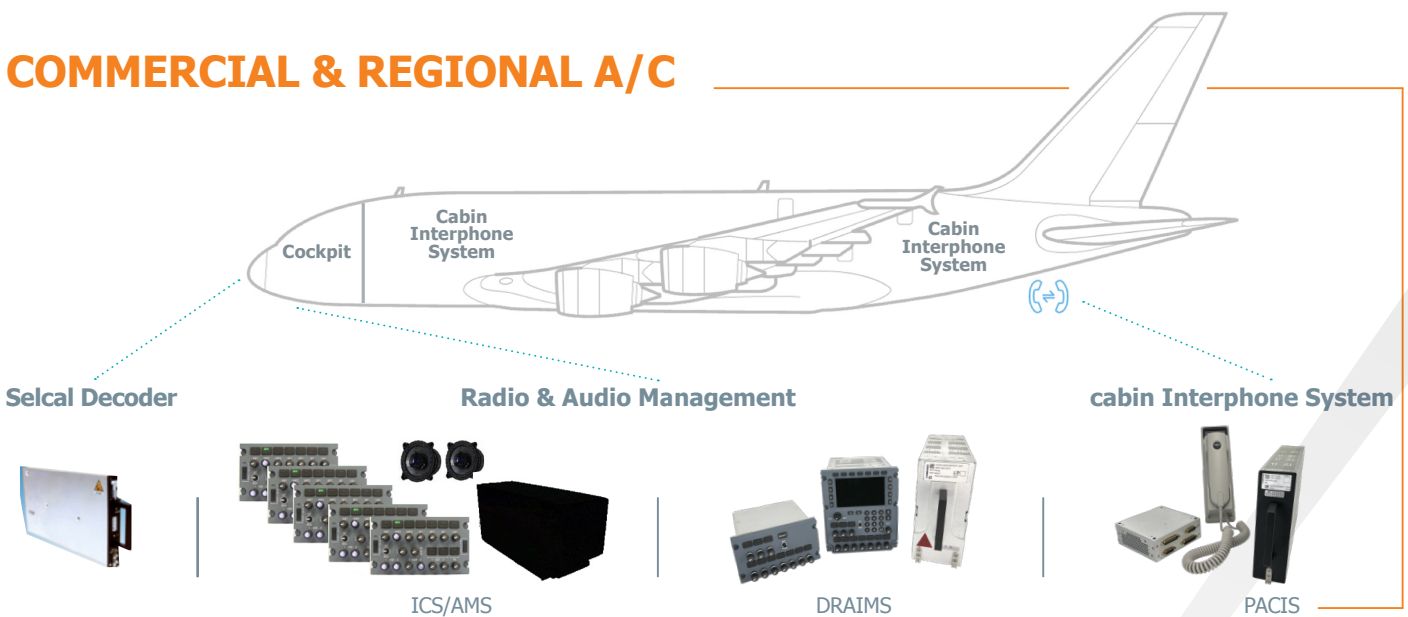
**For all civil
and military
aerospace
subsonic
platforms**

Cobham Aerospace Communications
is the leader in innovative solutions
combining Audio and Radio
Management in a single control
display unit.

**The DRAIMS is designed
to reduce size, weight and
footprint in the cockpit by
combining multiple control
functions in a single panel.**

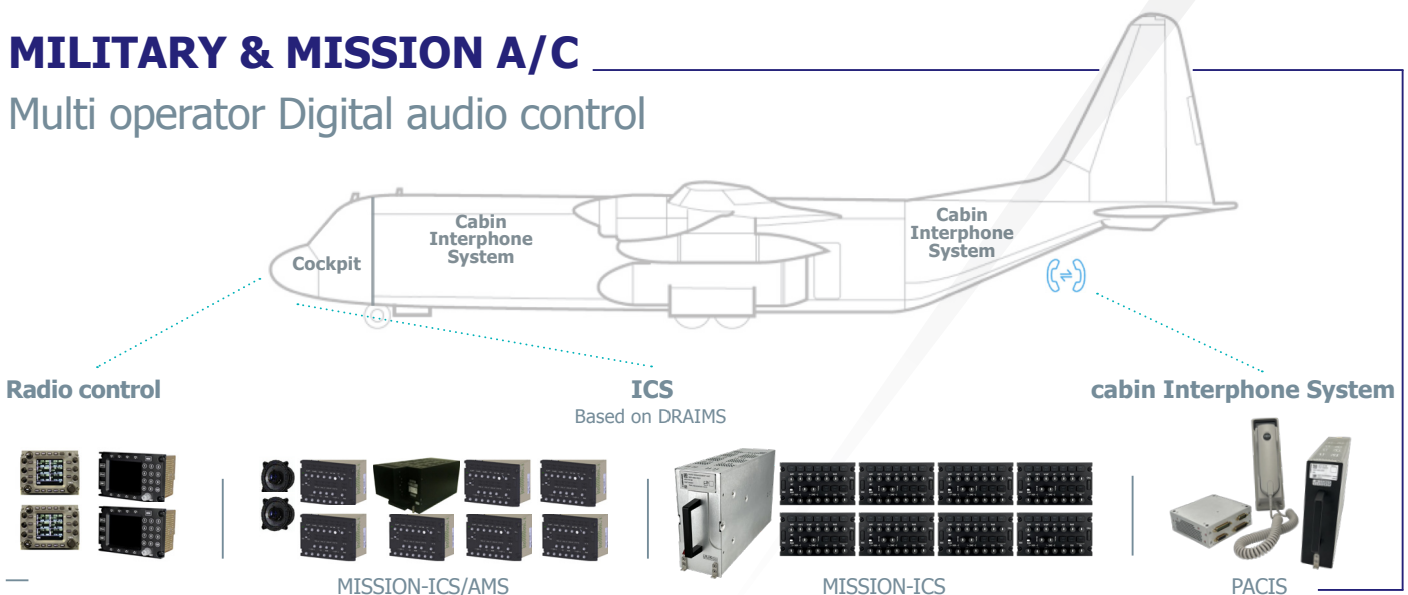
11 LRUs reduced to 4 per shipset

COMMERCIAL & REGIONAL A/C



MILITARY & MISSION A/C

Multi operator Digital audio control



SERVICES & QUALITY

**Your
satisfaction,
our
objective**

Cobham has set up a worldwide organization to assist Customers in operating and maintaining their equipment.

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Cobham's Customer Support people provide both operators and aircraft manufacturers with assistance for :

- 24/7 AOG service,
- technical inquiries,
- practical explanation of technical publications,
- troubleshooting,
- SB incorporation,
- warranty claims adjudication.

- EASA Part 145, FAR 145, TCCA 145, CAAR 145, FAP 145 certifications
- ISO 9001
- FAR 43.17 and the Canada/ United States Bilateral Aviation Safety Agreement 2000 (BASA)
- AS/EN/JISQ 9100
- ISO 14001 Certification



**For further information please get in touch
with Cobham Aerospace Communications**

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