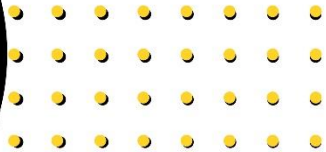




Connected Aircraft

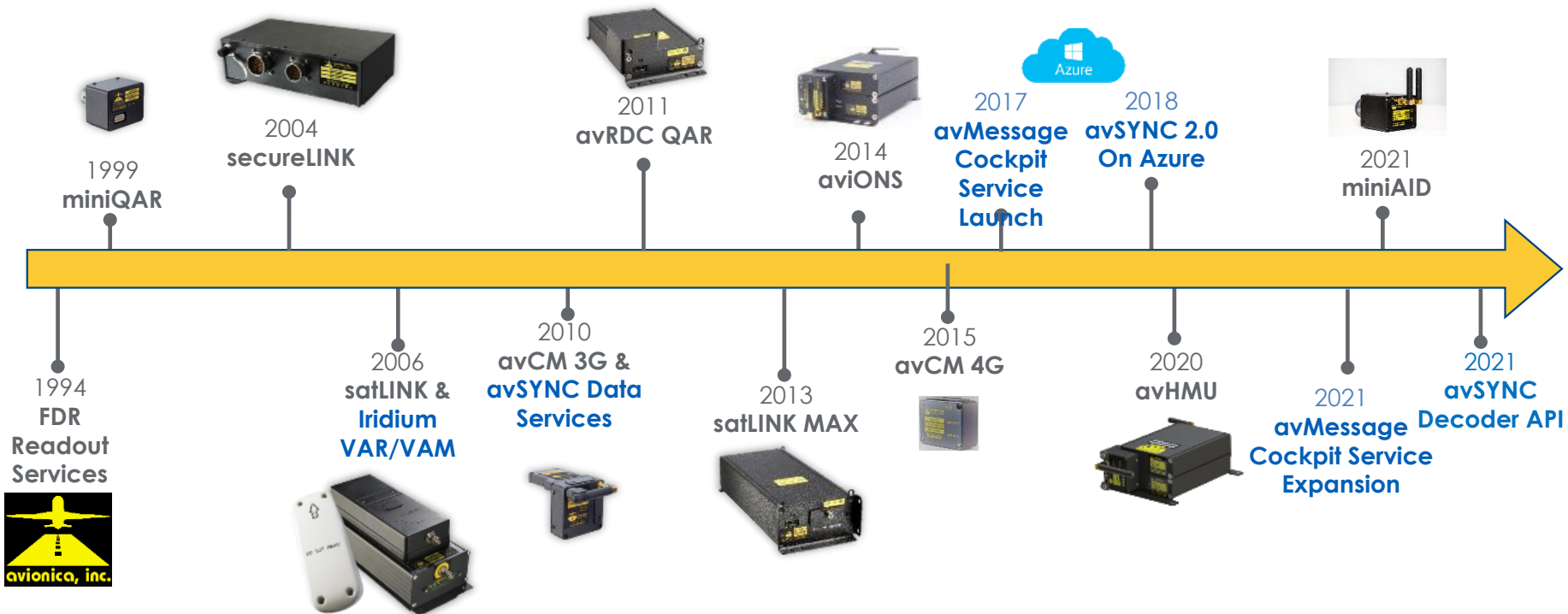
16th January 2024



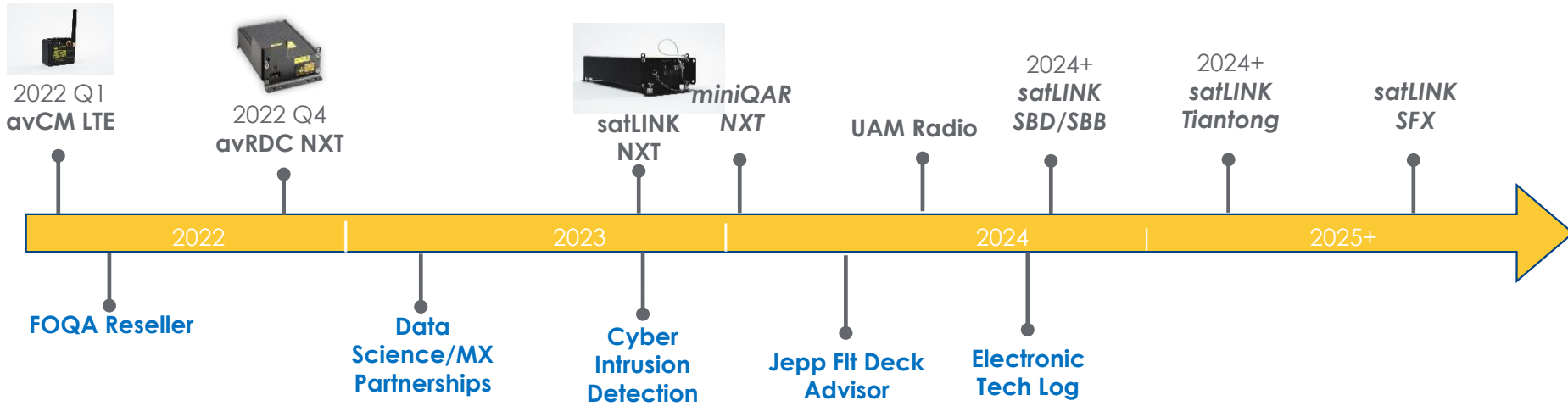
OVER 30 YEARS **DELIVERING**
SEAMLESS CONNECTED AIRCRAFT
SOLUTIONS.



AVIONICA (30+ YEARS OF INNOVATION)



AVIONICA (30+ YEARS OF INNOVATION)



Use Cases supporting Connected Aircraft

- ✓ Safety Analytics
 - FDM – FOQA
- ✓ Maintenance Analytics
 - MOQA, ACMS, Predictive Maintenance
- ✓ EFB
 - Cockpit Connectivity
- ✓ ACARS
 - ACARS over IP



Flight Data Management



miniQAR
Quick Access Recorder

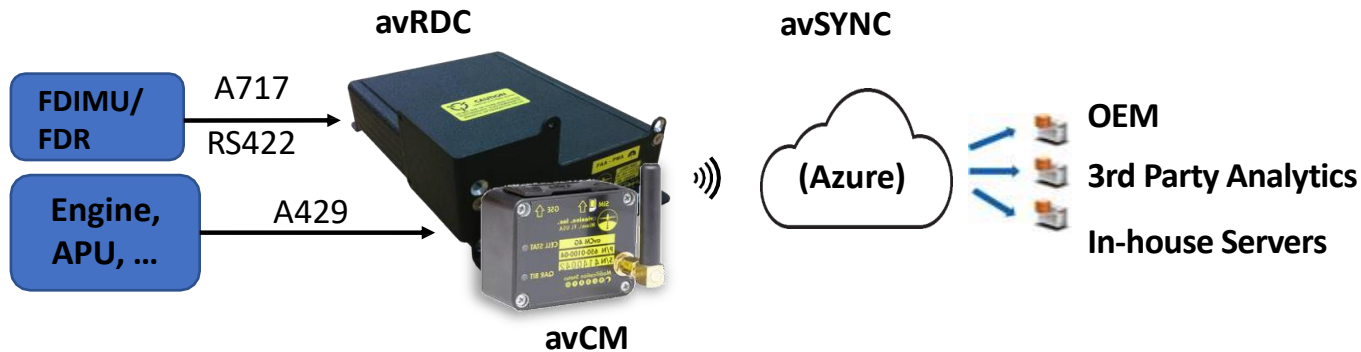


avRDC
Remote Data Concentrator

Value Story

Avionica QAR products are in support of many FAA/EASA Approved FDM programs, many of which utilize the timely nature of the data “99.8% within 15min” to evaluate MOQA events such as hard landings

Predictive Maintenance Solutions



- High fidelity data for predictive maintenance solutions
- Capture parameters most critical to understanding fleet issues
- Installations designed to accelerate deployments with flexibility for future updates with minimal downtime
- Reduce ACARS costs with cellular download of ACMS reports
- Data for flight operations programs, e.g., FOQA, fuel, ...
- Data for maintenance programs, e.g., pneumatics, hydraulics, ...
- Data for OEM diagnostics and support programs ... e.g., engines

e-Enabled Onboard Network | aviONS


avWiFi

- Intel Atom 1.46GHz
- 256GB storage – Upgrade to a 1TB SSD
- 802.11 b/g/n WiFi Wireless
- Client mode for airport WiFi (TWLU)



aviONS

avCM LTE

- LTE Global Cellular 
- Lightweight - 5 oz (141 gr)
- Easily Upgradeable
- Secure, VPN or SFTP security



avRDC MAX (AID)

- 50 data interfaces (ARINC 410, 429, & 717, RS 232 & 422, USB 2.0)
- Up to 6 Ethernet ports, in up to 3 security domains
- QAR Functionality
- Under 15oz (480gr) weight



Seamless Connected Aircraft Solutions

- Product OEM
- STC Holder
- Integration Design tailored to your aircraft
- FOT Install Support
- Support
- Training Repairs

Based on the services selected Avionica will work collaboratively to develop the phased approach for installation options to minimize downtime and provide immediate and future benefits

satLINK MAX + aviONS

Twice as Capable, Half as Heavy

- 2, 3 or 4 Channel Global Iridium Voice & Data Communications
- Industry lightest SATCOM + Onboard Network Server combined
- Global LTE Cellular ground connectivity for ACARS over Cellular
- Voice + Data Messaging Service Packages Included
- EFB Aircraft Interface Function (AID) – Moving Map
- Wireless Flight data download (QAR) & A615 Data Loading
- Flight Crew WiFi (including hot spot connectivity)



satLINK MAX

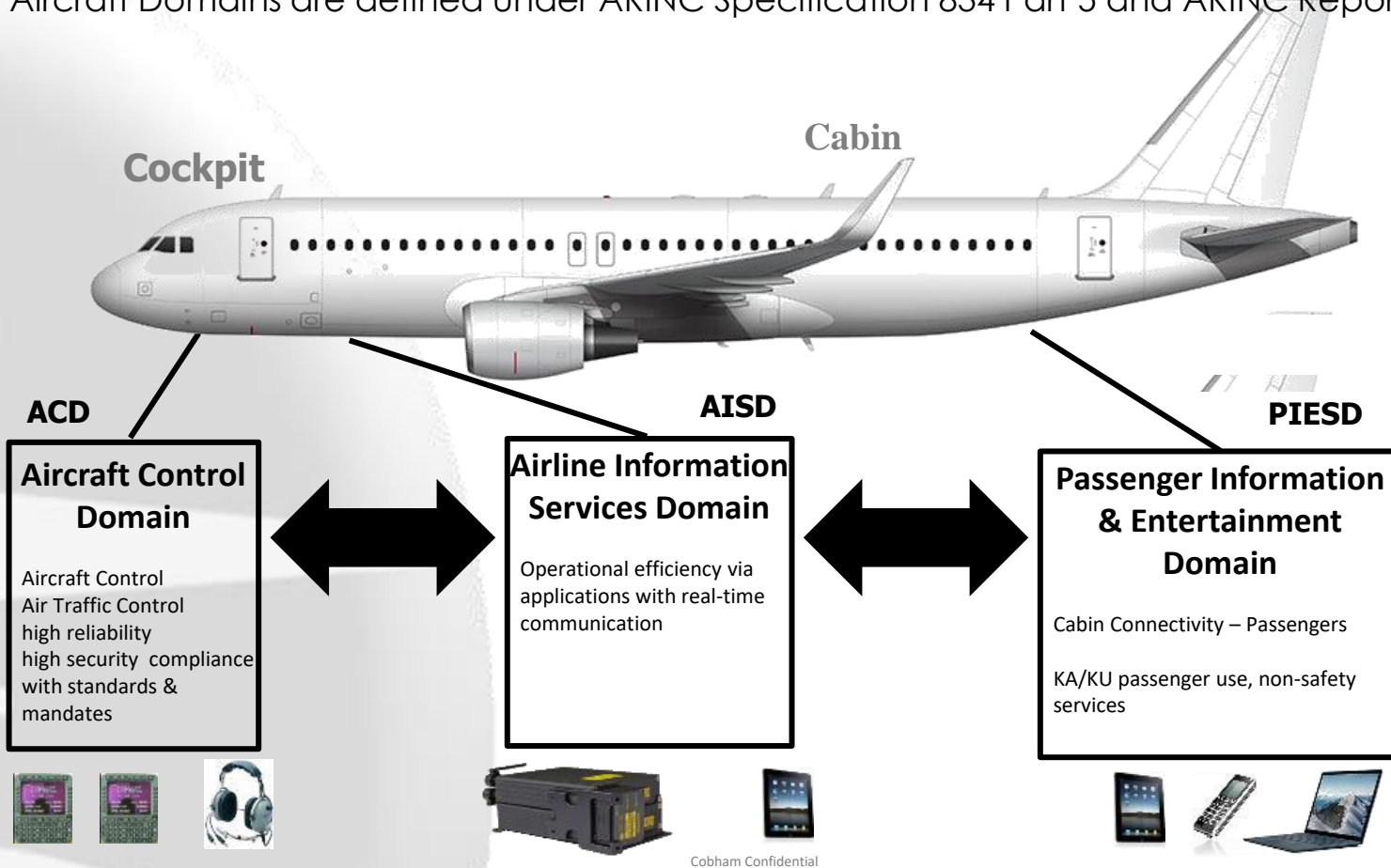
+

aviONS



Aircraft Communication & Segregation

Aircraft Domains are defined under ARINC Specification 834 Part 5 and ARINC Report 821



Cobham Confidential



avionica

REAL INNOVATION... REAL SOLUTIONS.