

Presented by

ALNAIR Aerospace FZC



Cabin Completions & Systems Retrofits

Turn Key Solutions

ALNAIR AEROSPACE FZC offers

Turn Key Solutions

to manage Cabin and Systems
upgrade projects with an indisputable
Know How in Airlines & VIP activities :

- Design office & Production organisations (DOA & POA Part 21),
- VIP Equipment Top Vendors,
- Completion in Part 145 organization.



- ALNAIR Aerospace has been created by Aeronautic Engineers having strong experience, over 70 years in the Business and Commercial Aviation, covering various fields of competencies such as:
 - ▶ Sales & Marketing
 - ▶ Project & Program Management
 - ▶ VIP Cabin and Systems Design
 - ▶ Engineering & Working Party Management
 - ▶ After Sales support
- The company, based in Dubai (UAE), created in 2007, provides First Class Services to Customers in terms of quality, cost and lead time.
- For more information, contact: contact@alnair-aerospace.aero

- A new Completion Center has been created to respond to high demand on VIP Cabin Completions, based on a strong aviation experience building Cabin Interior in the main activities such as:
 - ▶ Full Engineering (Design, Justification, Documentation)
 - ▶ Equipment Manufacturing : Cabinetry / Galley / Lining / Panels Manufacturing (Corporate, VIP, VVIP)
 - ▶ Installation of VIP Interiors
 - ▶ Cabin Refurbishing
 - ▶ Manufacturing of Satellite Panels
 - ▶ Engineering Management

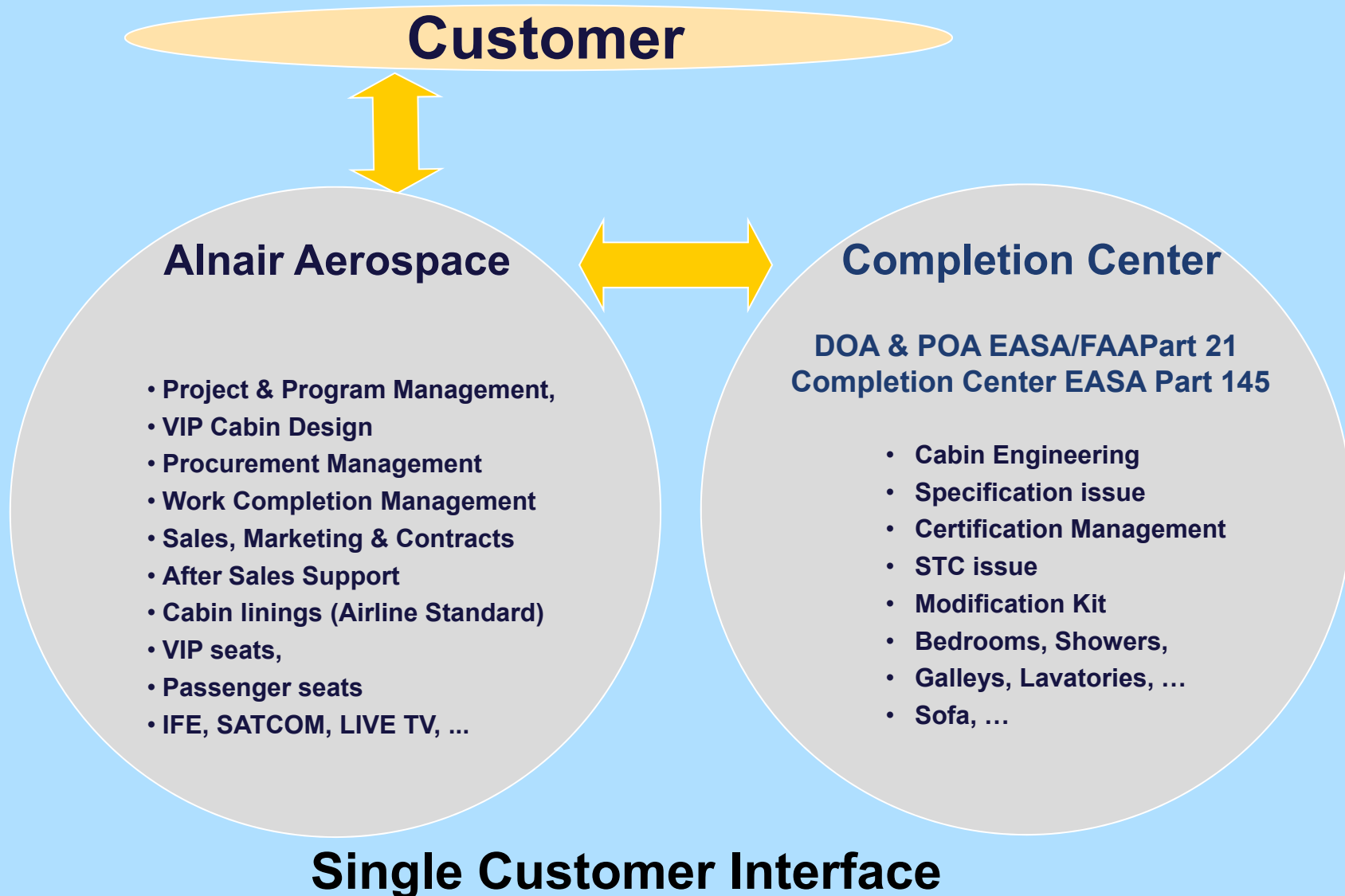
Location: South West of France



5000m² of hangar bays for completions

**5000m² of facilities for production of
composites parts & interior Monuments**

Turn Key Solutions Architecture



- **Establish a Technical and Functional Specification in order to:**
 - Define and Validate the Customer general expectations.
 - Define workscope of the involved partners
 - Selection & management of an Industrial designer for VIP cabin
- **Set up a dedicated program management organisation to ensure:**
 - On time, on quality, on cost aircraft delivery
 - Realization according to specification agreement
 - Selection and Management of adequate partners
 - Monitoring of the project delivery plan
 - Monitoring of Changes and additional work as agreed with the customer.
- **Sales, Marketing & Contracts**
- **After Sales Support**

- The Design Office & Completion Centre will :
 - ▶ design the Technical Solution in accordance with the agreed specification
 - ▶ obtain the certification according to airworthiness authorities requirements.
 - ▶ define the vendors interface specifications
 - ▶ manufacture the kit of aircraft parts under,
 - ▶ deliver :
 - The STC (supplemental type certificate) under EASA or FAA approval,
 - the Service Bulletin,
 - the kit with EASA Form 1,
 - the simplified technical supplemental documentation
 - ▶ Perform the completion on Aircraft under Part 145 approval
 - ▶ Store and maintain the aircraft as per airworthy standards.

Turn key solutions : VIP Cabin Interior

Some ALNAIR Aerospace Cabin VIP projects



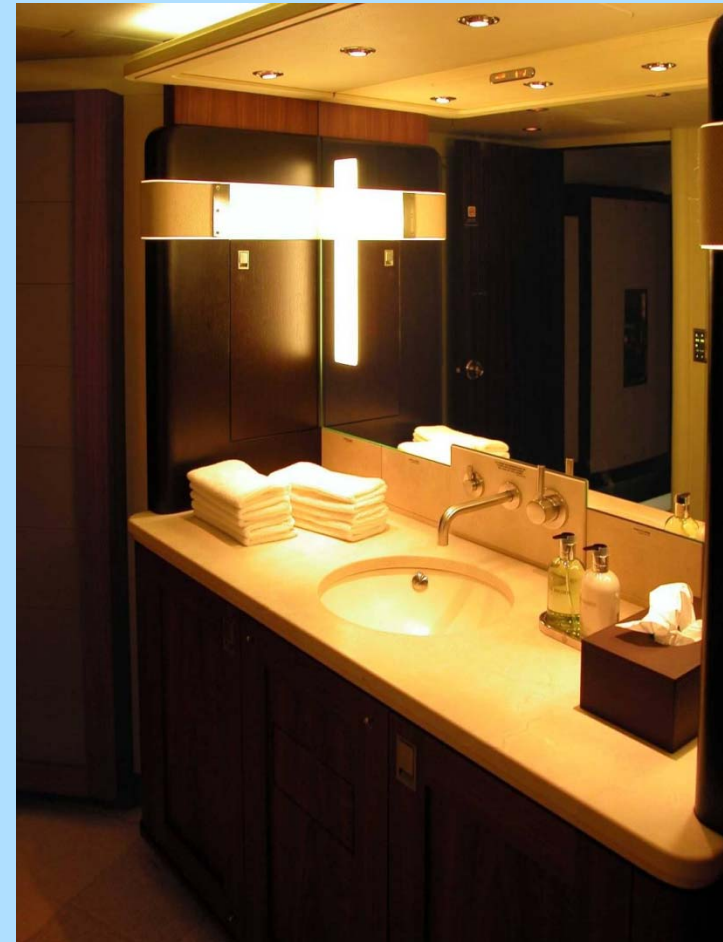
Turn key solutions : Executive Cabin

Airbus Cabin made by Alnair



Turn key solutions : VIP Cabin Interior

Boeing Interior made by the Completion Center

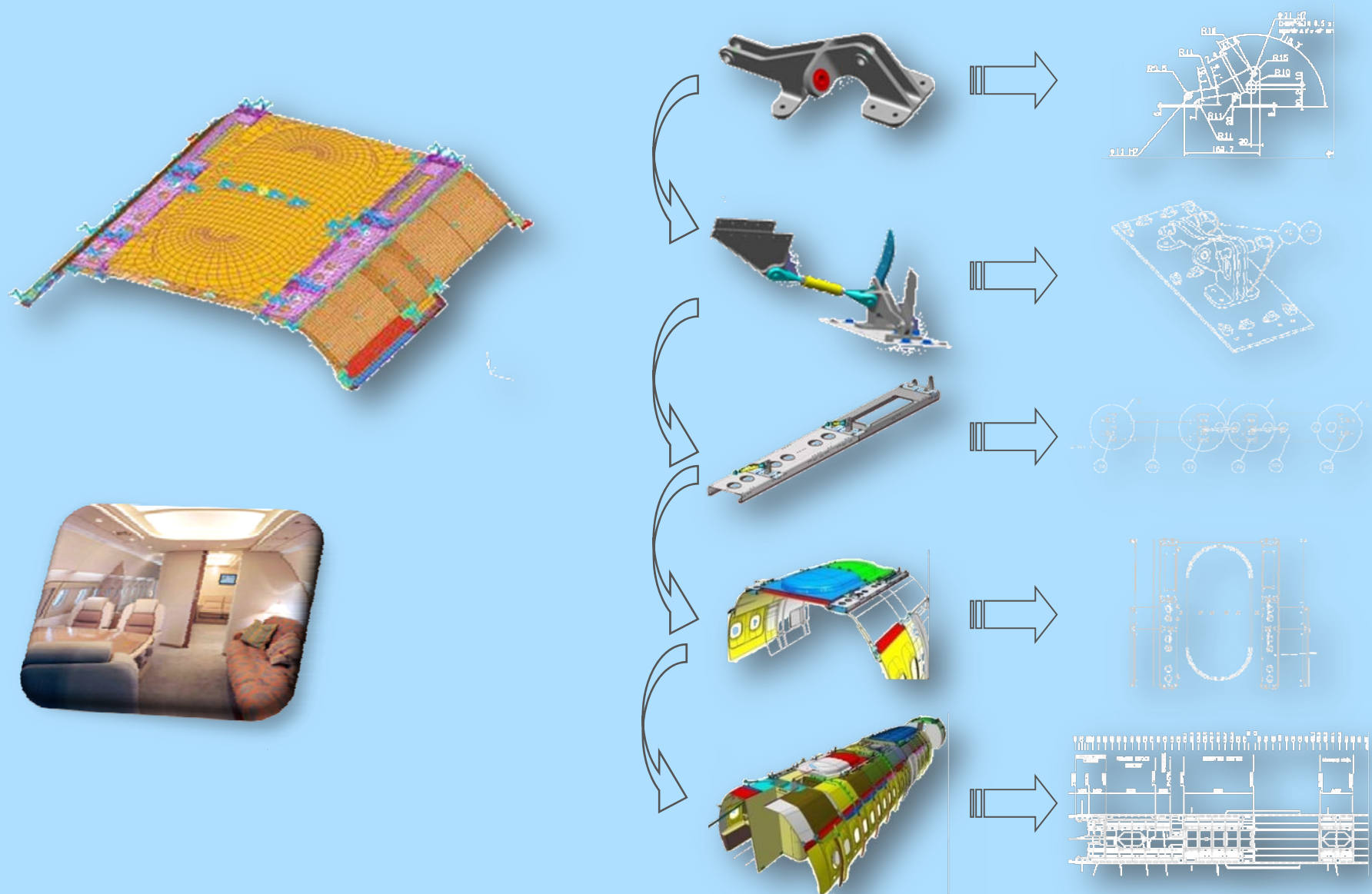


Turn key solutions : VIP Cabin Interior

Dassault Interior made by the Completion Center



Design and Manufacturing



Monuments Manufacturing



Monuments Manufacturing



Manufacturing: Air, Water, Electrical



Water

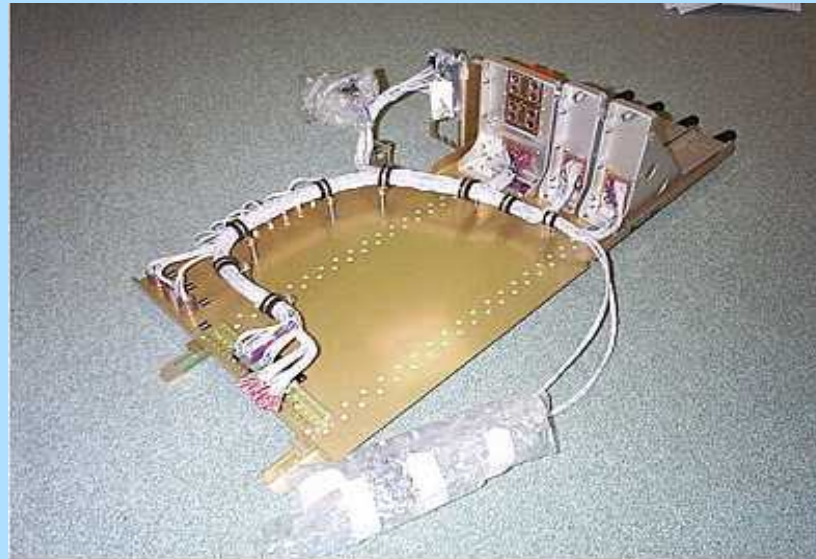


Air



Harnesses

Manufacturing: Wirings, Racks, ...



- The Vendors, as selected for the project, will :
 - ▶ Design and Produce to the highest quality standards, the Airline or VIP cabin parts and/or equipment as specified,
 - ▶ Qualify the cabin parts and/or equipment according to airworthiness authorities requirements.
 - ▶ Deliver the cabin parts and/or equipment to the Completion Centre with EASA Form 1/FAA Form 8130-3,
 - ▶ Deliver to the Design Office the simplified technical supplemental documentation (CMM and operating manual if applicable)



Cabin Systems: IFE for Vip Cabin

Media center



Ceiling Pop-Down Screen



Wireless Headphones



23" Fixed Screen



PDA as a remote control



Crew Touch Screen



Multimedia DVD Player



Media sources



Moving Map



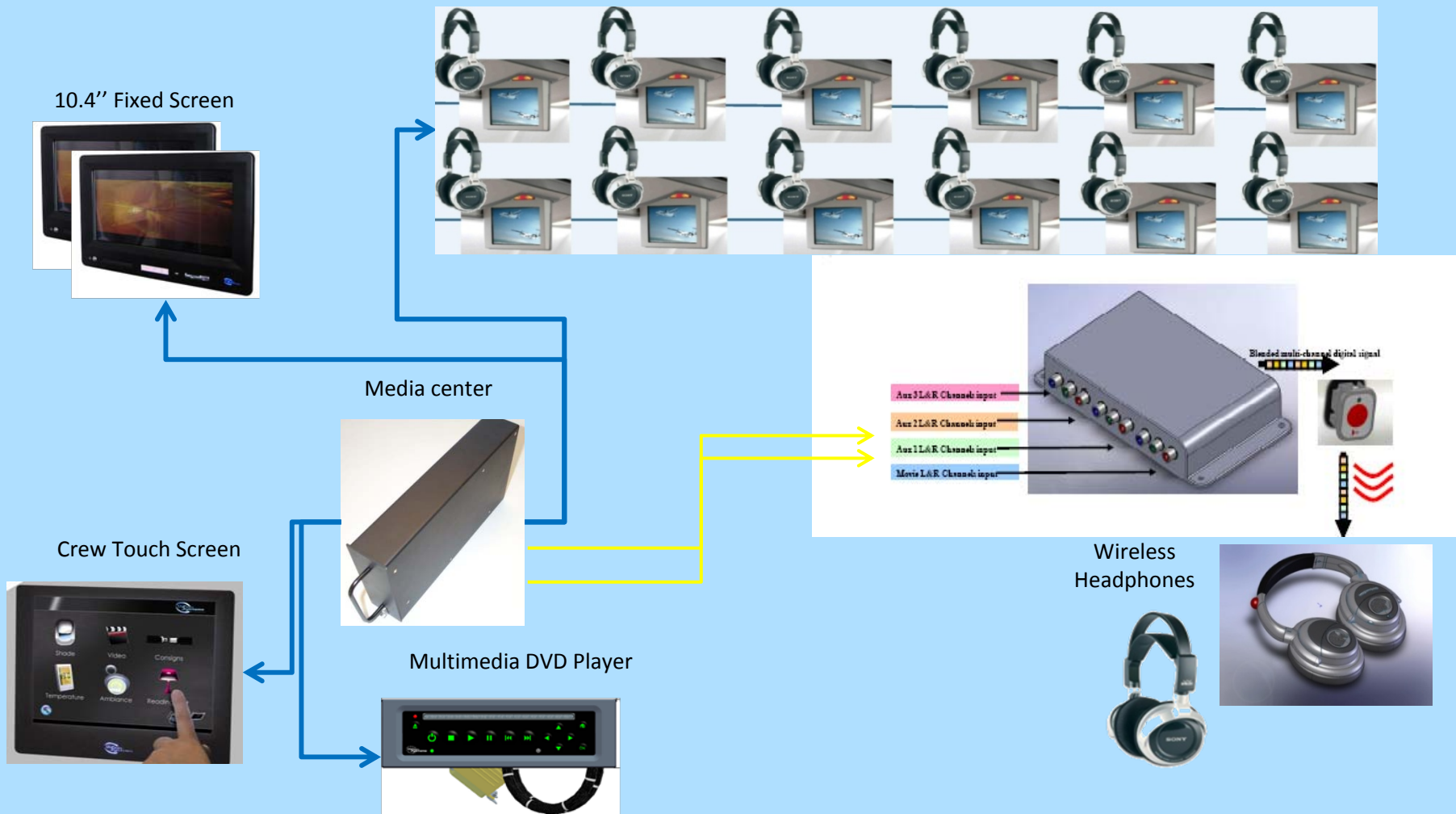
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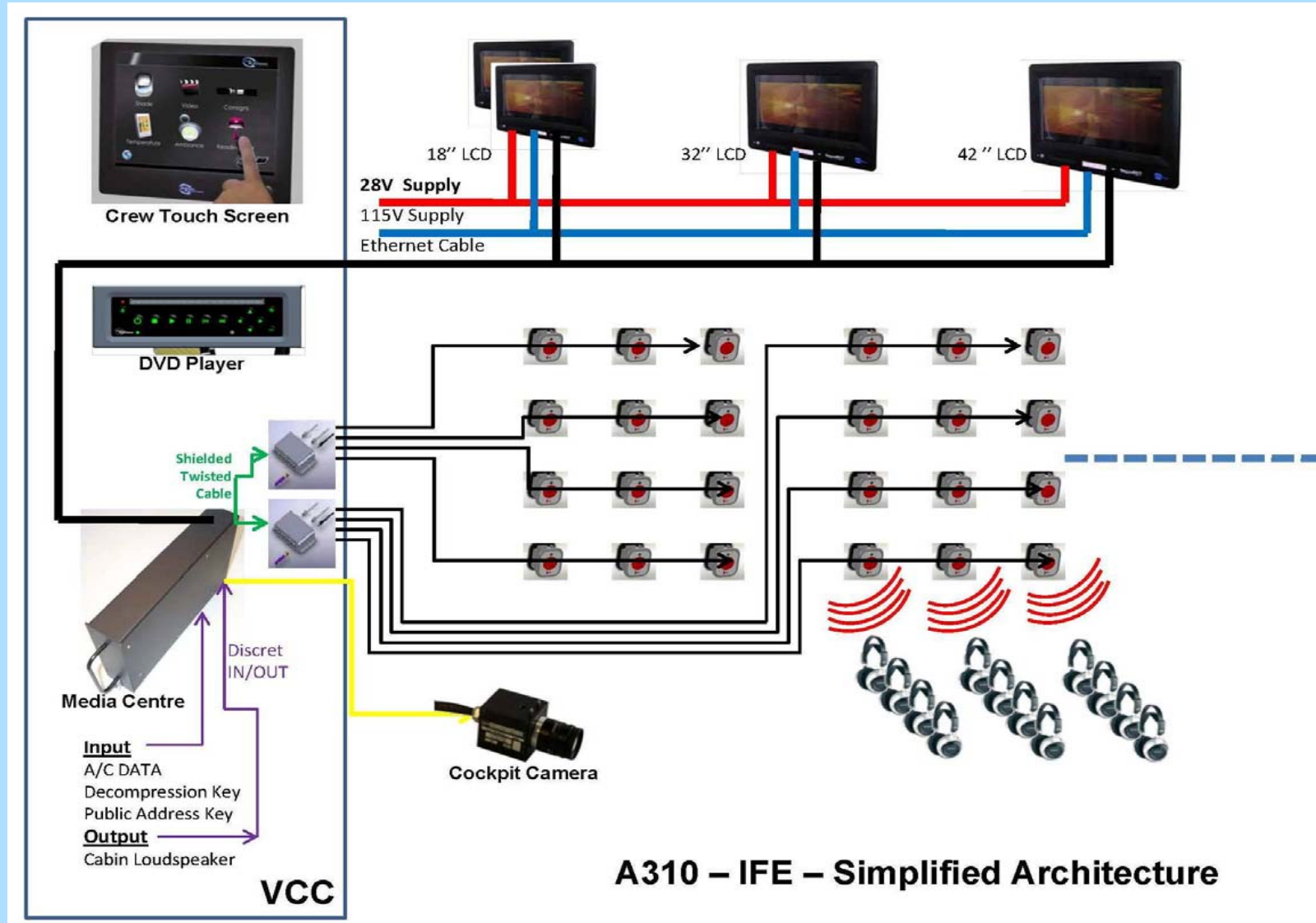
Cabin equipments



Cabin Systems: IFE with Wireless Audio



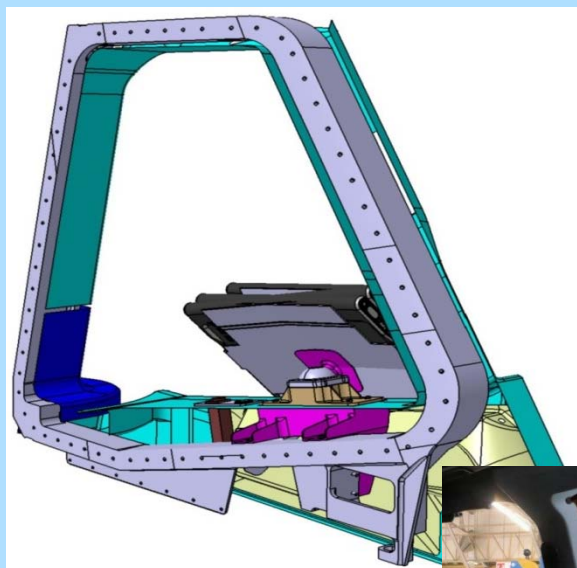
Turn key solutions : Classic IFE with Wireless Audio



A310 – IFE – Simplified Architecture

Turn key solutions : EFB Class II

- Usable during all phases of flight
- Readable under a variety of lighting condition
- PC Quick release installation and removal



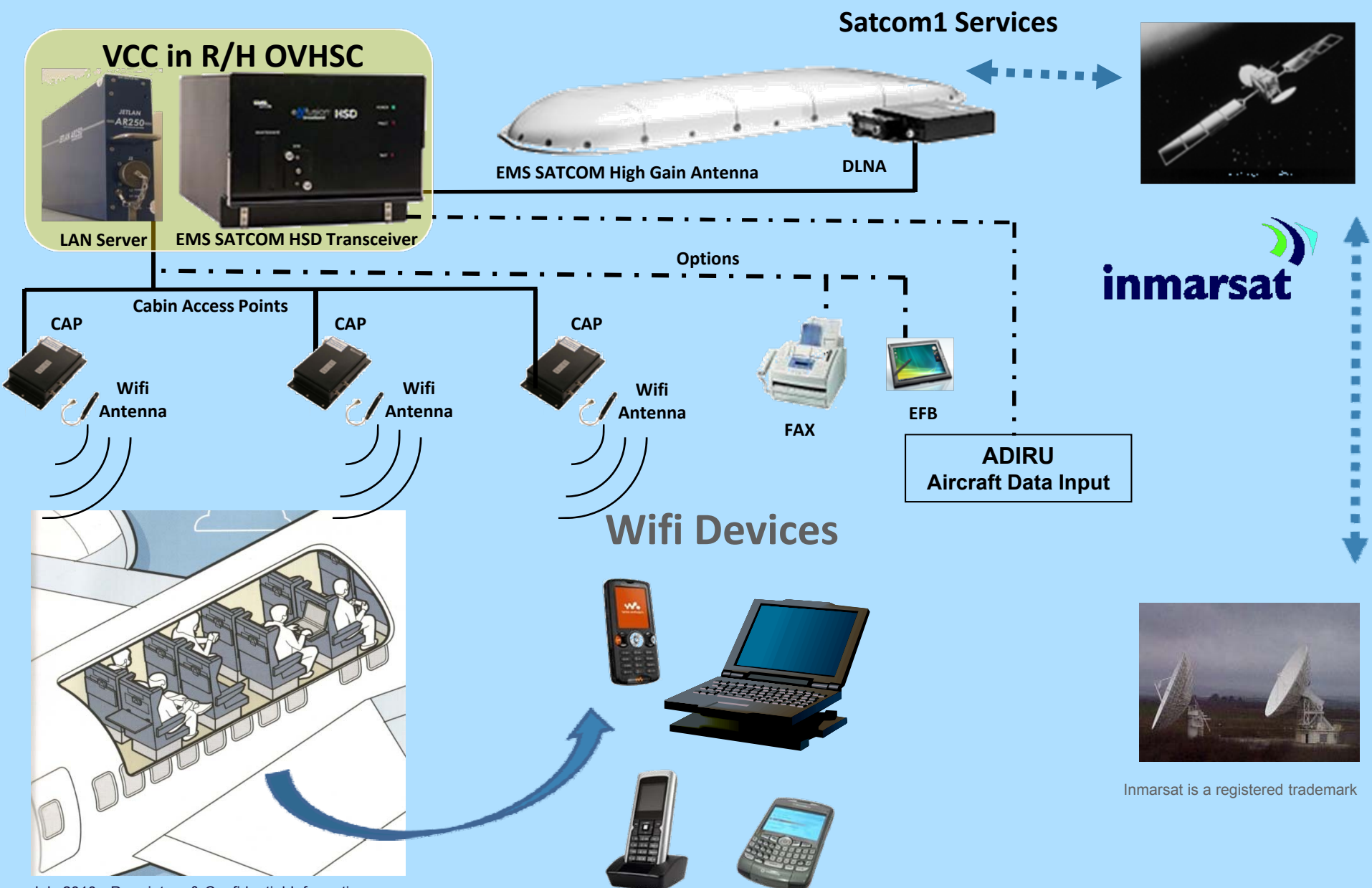
- 2 Tablet PC J3400 Motion Computing
- Intel Core 2 Duo 1.6 GHz, 12.1" SXGA,
- 4 GB, 80GB HDD, Windows XP SP2
- Secure access (fingerprint, external key)
- Tested and qualified DO160 as onboard equipment



Turn key solutions : Connectivity

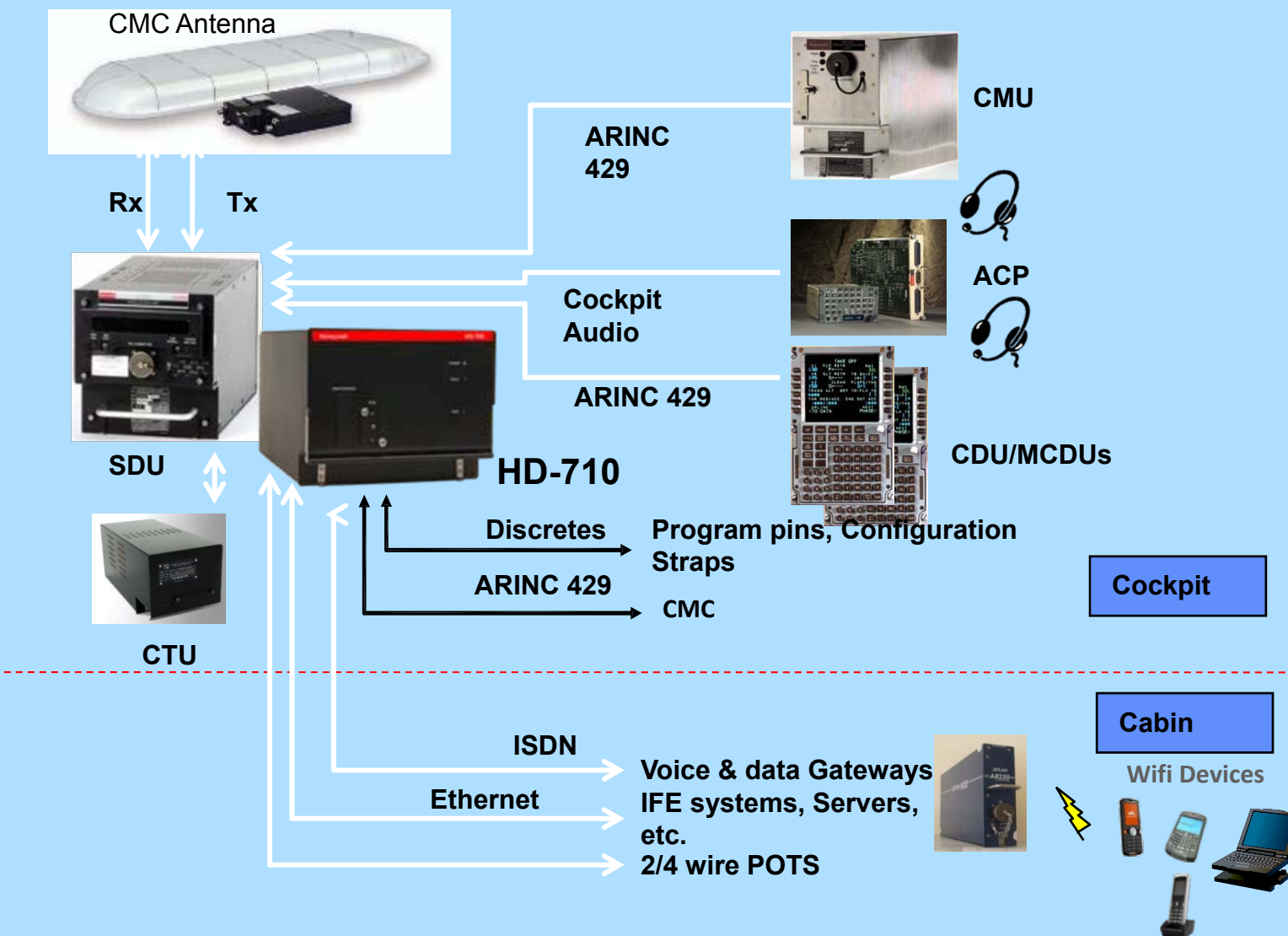


Turn key solutions : Alnair Satcom SBB

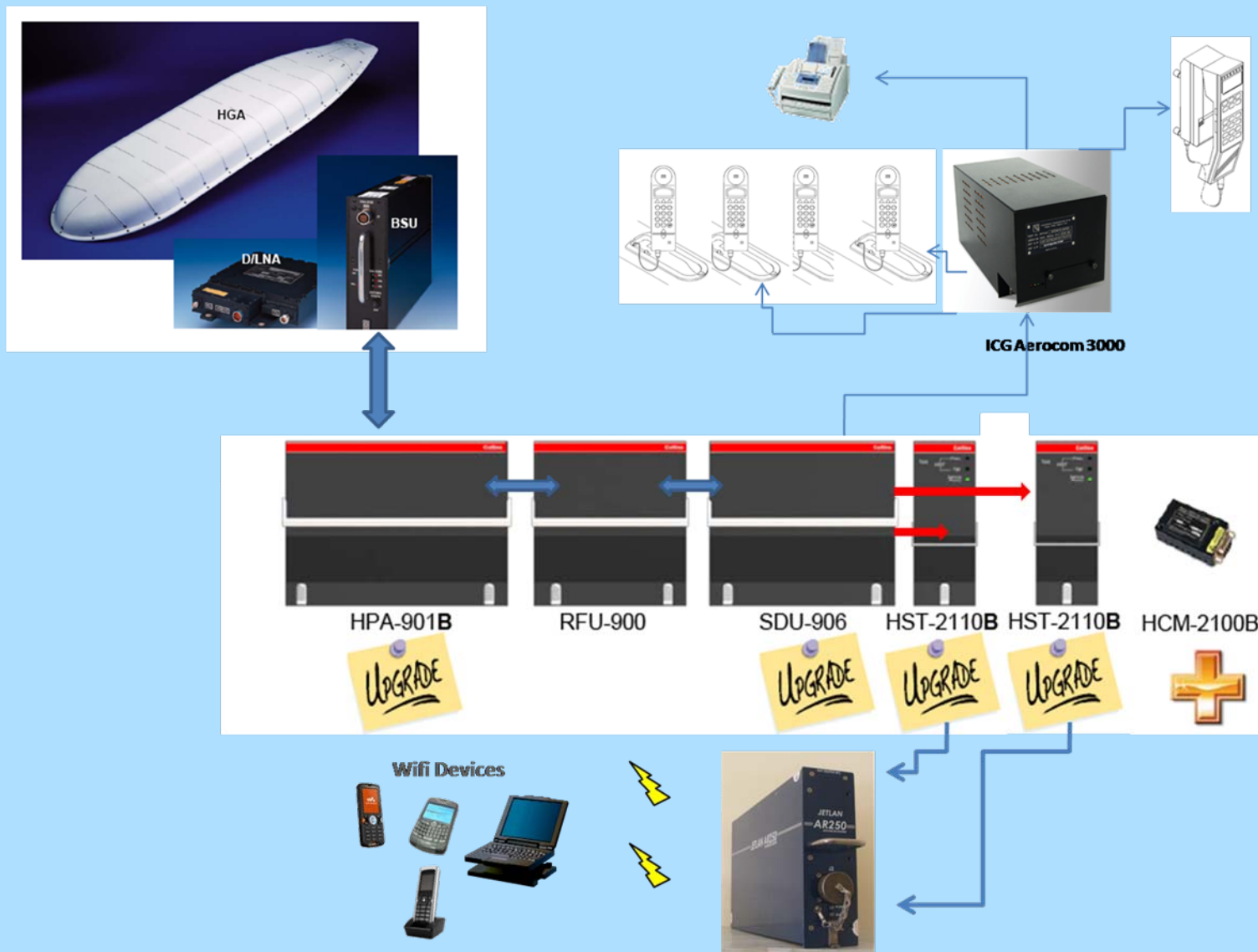


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Honeywell Satcom Upgrade to SBB



Rockwell Collins Satcom Upgrade to SBB



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