



Avionics Integration & Engineering Corporation AG

Rheinfelden, Switzerland

Part 1



Avionics Integration & Engineering Corporation AG

Rheinfelden, Switzerland

Established in January of 2000
in the Village of Reinach, Baselland.
Moved to Rheinfelden, Switzerland,
Canton Argau, close to German border.

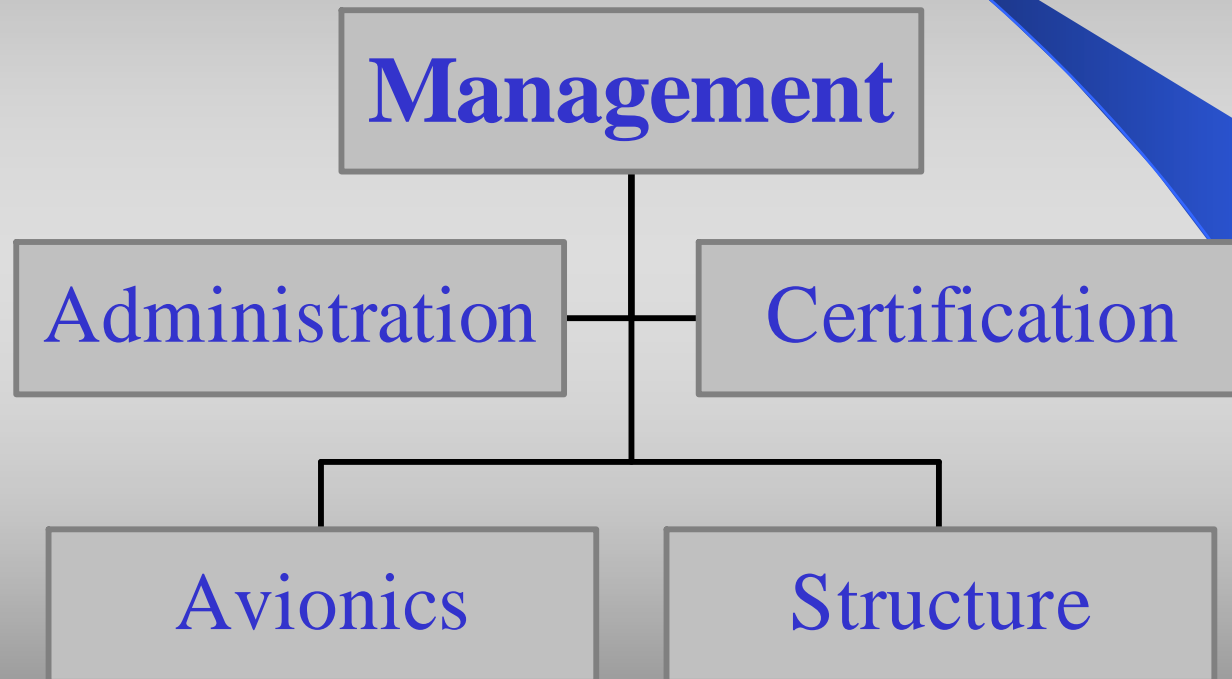


THESIS

Comprehensive *Understanding* of the
Essentials and their accurate *Realization* is the
Key Element to reach the highest level of
Safety and *Satisfaction* everywhere.



1. Organization



2. Location

Rheinfelden, Switzerland, at the border to Germany, close to Basel Airport.

- only 45 minutes by car to Zürich Airport
- only 30 minutes by plane to Geneva International Airport



3. Past Experience

- Transformed conventional B707-300 into EFIS Version incl. AFCS Interface
- Alteration CL601-3A into Dual Collins APS 85 with entire Avionics Retrofit
- Several F20 modified by APS 85/EFIS 86
- F50 Proline 4 Retrofit with SATCOM
- Several B727-100/200 SATCOM Mods

3. Past Experience (cont)

- Agusta helicopter A109K2 complete Avionics Retrofit
- CL601-3A Flat Panel Retrofit UASC R890
- Numerous FMS prototype retrofits....
- EASA STC certified Lockheed Jetstar II
- Holding numerous EASA STC approvals
(EASA homepage link: <http://easa.europa.eu/certification/type-certificates/design-approvals-supplemental.php>)

4. Services

A. Avionics/ Cabin Interiors/ Structural Engineering/ Certification

- Certification Program
- Engineering Order
- Wiring Diagrams
- Mech. Drawings
- Ground & Flight Checks
- Flight Manual Supplements
- Electrical Load Analysis
- Compliance Checklists
- Stress Analysis
- FMEA
- Safety Analysis
- Full Documentation

4. Services (cont)

A. Avionics/ Structural Engineering/ Certification (cont)

- Development of STC Data Packages
- Turn-Key Project Management
- Customer requested Maintenance Engineering

4. Services (cont)

B. Providing On-sight Installation Support

- System Post Installation Check-Out
- Post Installation Troubleshooting
- Flight Check Support
- Customer Liaison
- Pilot Training

5. Capability

A. AIRCRAFT MODELS

- Boeing 727/707/757/767
- DC8-72/62
- MD-83
- Bombardier CL 600/601-1A/601-3A
- Gulfstream II/ III/IV
- Dassault Aviation F10/F20/F50/F50EX/F900
- Hawker Beechcraft HS125-700/ BAe.125-800/
900XP/ 1000
- Beech Kingair C90/200/B200/300/300LW/B300

5. Capability (cont)

A. AIRCRAFT MODELS (cont)

- all Learjet (25, 31, 35, 36, 45, 55, 60, ...)
- Cessna Citation Jet
- Bell B430 helicopter
- Agusta A109 helicopter
- EC135 Eurocopter
- BK117 Helicopter

5. Capability (cont)

B. AVIONICS MANUFACTURERS

- Baker Electronics
 - All cockpit & cabin audio products
- Honeywell
 - All Business Aviation products incl. TCAS/ACAS/SATCOM
- Rockwell Collins
 - All GEN NAV products incl. Proline IV RETROFIT, TCAS/ACAS/SATCOM

5. Capability (cont)

B. AVIONICS MANUFACTURERS (cont)

- Universal Avionics Systems Corporation
 - All systems incl. newest development, prototype installations Cockpit 1 and HUD
- Thales Avionics (Sextant)
- EuroAvionics
- Garmin
- ASPEN
- and others more

5. STC EASA approved

Aircraft Type	Title	STC Number
Challenger 850	EFB Class 2	EASA.A.S.03333
Learjet 31	P-RNAV	EASA.A.S.03628
Challenger 601-3A	EHS Mode S	EASA.A.S.03023
Challenger 601-3A	CPDLC	EASA 10041282
BAe.125-800 series	EGPWS to RAAS	EASA.A.S.03187
BAe.125-800 series	P-RNAV	EASA.A.S.02676
Cessna 206/210	Aspen EFD 1000	EASA.A.S.03806

AIEC STC List extract.

For complete AIEC STC List, see EASA homepage with list published.

6. Layouts



6. Layouts (cont)



6. Layouts (cont)



Flat Panel Retrofit UASC R890
completed in Sept. 2004

7. Approvals

- Data Package approval Part 21DOA *Approval Number EASA.21J.375, including Cabin Interior*
- Data Package approval by Customer and Local Air Authority
- Data Package approval by FOCA, SWISS*
**Swiss registered airplanes and bi-lateral agreements*
- Data Package approval by FAA DER Services

8. Why choosing AIEC,.....

- Reduced resource investment
- Increased safety
- Risk sharing
- Improved Project Development
- Clear and transparent documentation
- Hands free for the main business

...being a competent engineering partner

9. Contacts

- Georg Woerlein, CEO, Head of Design

- Address:

Avionics Integration & Engineering Corporation AG
Habich-Dietschy-Str.13, 4310 Rheinfelden, Switzerland

- Phone:

+41-61-717 83 00

- Fax:

+41-61-717 83 19

- E-mail:

aiec@aiec.ch