

Flight Data Research services

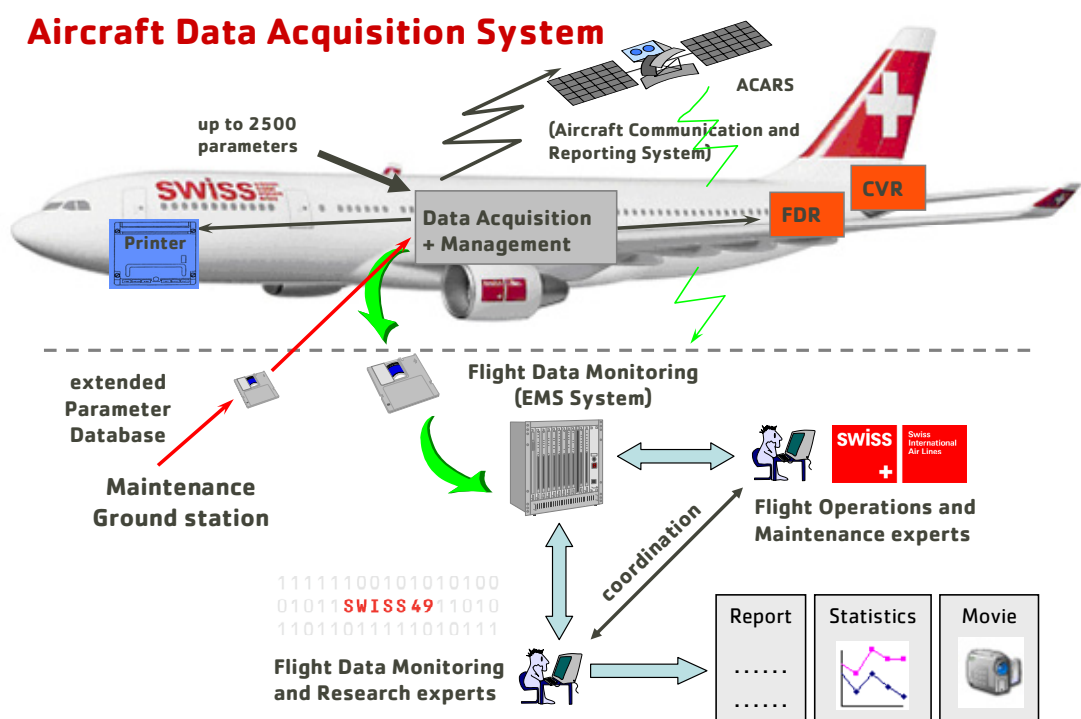
SWISS (i.e. former Swissair) has a 20 years history in using aircraft recorded flight data for **Flight Operational (FOQA)** and **Maintenance Quality Assurance (MOQA)** as well as for aircraft troubleshooting. Swiss49 is a team of experts offering its **Flight Data Monitoring** knowledge and research experience to institutions in the field of **aviation research**.

The **conclusions** extracted from processed high-quality in-flight data enable an exact **validation** of topics for aviation research based in history data. The huge **flight data pool** enables also to investigate low-rate occurrences in detail. A well running pilot union Flight Data agreement allows full access to date identified flight data and feedback from pilots about their personal perceptions. All SWISS aircraft do record an **extended set of flight parameters** above the industry standard, which can be expanded according the needs of a running project.

Data processing and statistical analysis is conducted with the market leading Event Measurements System (EMS) and 3D Flight Animation system VISION.

Facts and Figures:

- **Flight data storage** for at least **4 years** with retrospective analysis of over **300'000 flights** so far (i.e. full raw data; genuine Data warehouse providing Data mining).
- SWISS aircraft **record 2'500 parameters** each second compared to the "few hundred" parameters offered by industry standard aircraft.
- Several Flight Data Research projects accomplished for **ATC, Airport Authorities and Governments**.
- **Pilots union allows** usage of data inside and **outside** company (confidentiality agreement).
- You can expect **conclusions** – not only raw flight data – for your **research topics**.
- Comprehensive **interpretation of results** with direct contact to pilots, operational and technical experts.



Flight Data Research customers

