FLIGHTS & AIRCRAFT SOLUTIONS

Optimize your aerial operations with full safety



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Our mission & expertise



About us





FA Solutions *is a French company specializing in the development of flexible and innovative software solutions, perfectly adapted to the requirements of the aeronautics sector.*
Some members of our team have ***over 30 years*** *of combined industry experience. We design comprehensive, high-performance, and technologically advanced tools, tailored to the specific needs of modern aviation and helicopter operations.*

Our team

FA Solutions' expertise *is based on a multidisciplinary team that encompasses all the key skills required for the success of our solutions:*

Technical Experts*: Specialists in the development and maintenance of complex systems, they ensure the robustness, reliability, and performance of our software platform.*

Marketing Team*: Through targeted analyses, we optimize the user experience and facilitate the rapid adoption of our tools by your teams.*

Trainers*: We offer comprehensive training programs to ensure rapid and effective implementation of the solution.*

Regulatory Specialists*: Our in-depth understanding of regulatory frameworks ensures the compliance of our tools with current standards.*

Operational Managers*: They ensure that every aspect of using our solutions is simple, seamless, and efficient, to optimize your daily operations.*



Fabrice LOURME

brings valuable expertise, consolidated by numerous certifications, specialized training and years of experience in the demanding field of air operations.

Its technical and operational know-how, combined with a detailed understanding of regulatory and field issues, positions the company as a key player in the market.

Your challenges

In the field of air operations, you face multiple and demanding constraints:

Your challenges, our solutions



Optimize passenger distribution on each flight while ensuring operational safety and compliance.

Secure your air operations *while complying with complex aviation regulations.*

Efficiently manage your resources: *crews, passengers, cargo, maintenance, and documentation.*

Ensure reliable traceability of your flights, completed tasks, and required authorizations.

Streamline administrative tracking with compliant, easily usable documents (flight logs, flight schedules, and OFP archiving).

Have easy-to-use tools *that fit your organization and reduce the risk of errors.*

Our solutions



FA Solutions' products are purpose-built to meet these challenges:

- ***Integrated flight management:*** *planning, monitoring, and generation of regulatory documents (weight-and-balance sheets, flight folders, flight logs, etc.)*
- ***Automated weight-and-balance calculation:*** *a quick, user-friendly tool that finds the optimal load distribution for each flight, factoring in aircraft configuration.*
- ***Crew and passenger management:*** *tracking pilot qualifications (recurrent, non-recurrent, type ratings, special), ground personnel, and more.*
- ***Maintenance tracking:*** *via the e-CRM, schedule AD/SB limits, periodic inspections, and MEL tasks.*
- ***Traceability and archiving:*** *secure storage of flight dossiers (weight-and-balance sheets, tickets, NOTAMs, NOTOCs, weather briefings, …).*
- ***Regulatory compliance:*** *tools designed around authority requirements to guarantee up-to-date, compliant documents.*
- ***Customization:*** *adapts to your fleet, procedures, and business specifics to match your exact needs.*
- ***Ergonomics:*** *a clear, intuitive interface that your teams can master quickly, ready for EFB certification.*

Our software

Our solution is designed to support helicopter operators in day-to-day management fully compliant with EASA CAT/SPO operations.

The software enables rigorous control of every parameter required to plan and conduct a flight under optimal safety conditions.

Conceived as a complete, intuitive platform, it delivers a set of key features that ensure optimal management of flights, maintenance, and safety.
Here is an overview of the software's main capabilities:

The software & its features





Its features

- ***1. Real-Time Flight Monitoring***

Flight schedule management: *Track planning, register passengers, follow flight status, and process billing.*

- ***2. E-logbook (Maintenance & Interval Management)***

Flight logging: *Technical time, customer time, and flight-log details.*
Maintenance tracking: *Automatically schedule inspections and servicing based on flight hours and MEL limits.*

- ***3. Personnel Qualification***

Training file scheduling: *per-department configuration of deadlines for recurrent, non-recurrent, and type-rating training within the airline.*

- ***4. Billing***

Comprehensive flight-data tracking with invoicing: *each flight is linked to the e-CRM to generate accurate bills.*

Booking connector: *flights approved for online sale can be booked and paid for directly on your website; the software automatically delivers boarding passes.*

Agency commission management: *monitor master contracts for commissions and vouchers.*

- ***5. Ergonomic User Interface***

Simplified access: *a clear, intuitive interface available on all devices (desktops, tablets, mobiles).*

Ease of use: *designed for smooth adoption by everyone involved, from pilots to fleet managers.*

- ***6. Maximum Security***

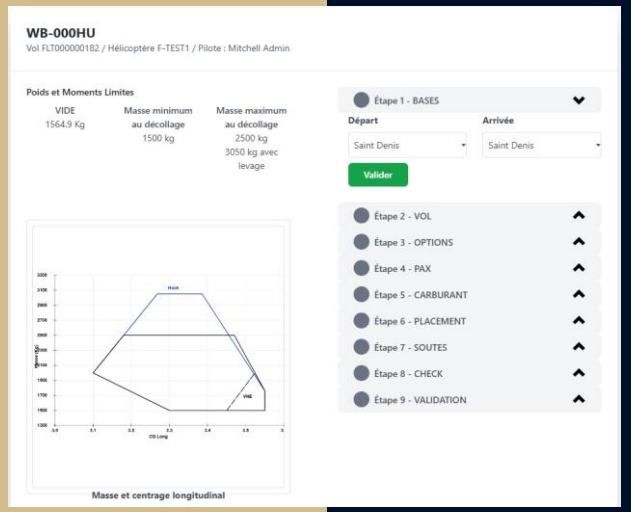
Data protection: *advanced encryption protocols safeguard sensitive information.*

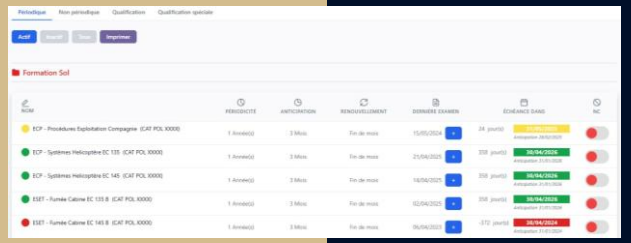
Security alerts: *notification system to anticipate risks or detect any operational anomaly.*

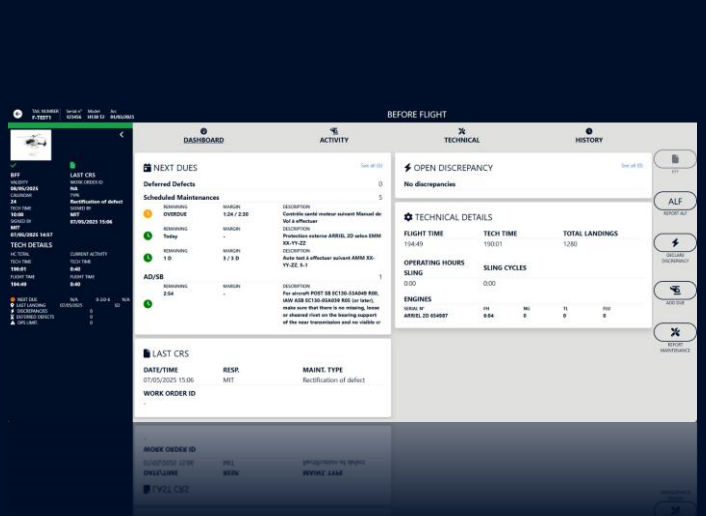
- ***7. Technical Support & Updates***

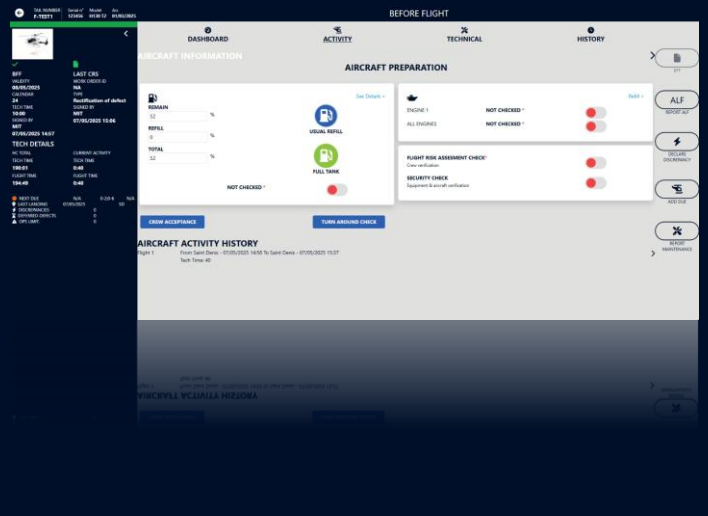
24/7 assistance: *dedicated support team for technical issues or usage questions.*

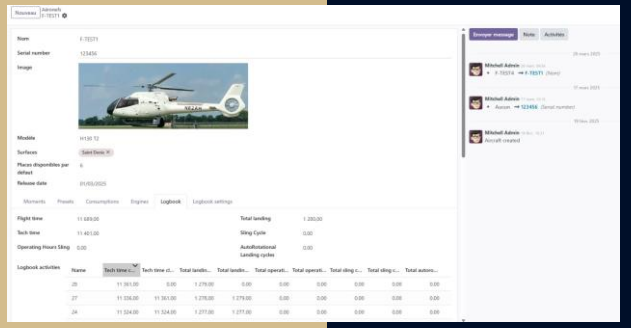
Automatic updates: *keeps the software cutting-edge and compliant with regulatory requirements.*











Why choose us ?





1. **AIR OPS COMPLIANCE** (CAT, SPO, NCO and manufacturer requirements)
2. **Fast execution of weight-and-balance calculations**
3. **Optimized administrative management**
4. **Customization to customer-specific requirements** (aircraft, terrain, mission)
5. **Secure archiving**
6. **Accessibility** (multi-user, PC/tablet/phone compatibility)

Contact & project monitoring



FLIGHTS & AIRCRAFT SOLUTIONS

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Datasheet – Server Infrastructure

Prerequisites for on-premise installation of the FA Solutions software

Architecture technique

- **Software base :** Odoo 19 CE (Community Edition)
- **Deployment environment :** k8s on 3 nodes on 3 servers minimum
  - Node01 : HA Nginx
  - Node02 master : pods app (from 1 to 10), PostgreSQL, redis, minio (S3)
  - Node03 slave : pods app (from 1 to 10), PostgreSQL replicated, redis, minio (S3) replicated

Host requirements (physical or virtual server)

Recommended processor (Intel Xeon or equivalent)

Users	Minimum	Cores / Threads	Frequency (base)	Cache	Score PassMark min.
Up to 20	Xeon E-2386G	6 / 12	3.5 GHz	12 MB	> 20 000
Up to 50	Xeon Silver 4316	20 / 40	2.3 GHz	30 MB	> 30 000
Up to 100	Xeon Gold 6348	28 / 56	2.6 GHz	42 MB	> 50 000
Over 100	Contact us				

RAM

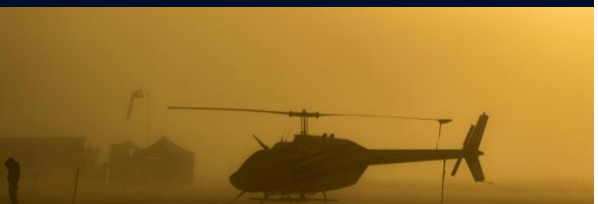
- **Type :** DDR4 ECC (Error Correcting Code)
- **Quantity :** 4 GB + 300 MB per user

Example for 50 users → 4 GB + (50 x 300 MB) = 19 GB RAM

Storage

- **Minimum disk space :**
  - 20 GB available for the application
  - 80 GB if the Qualification module is used
  - 5 GB if the E-Logbook is used
- **Recommended storage type : SSD (NVMe recommended for higher I/O performance)**

Datasheet



Bandwidth

- **Minimum per user :** 2Mb down / 250kb up
- **Recommended per user :** 5Mb down / 1Mb up

System & network

- **Preferred OS**
  - Debian ≥ Bullseye (v11)
- **Preferred web server**
  - Nginx
- **Ports to open**
  - 443 (HTTPS)
  - SSH (port of your choice)

Backup

- **Local or external (optional)**
  - Full daily backup with 5-day retention
  - Extended history available as an option

Client-side prerequisites

- **Browser**
  - Up-to-date Chromium based (Chrome, Edge…) or Mozilla Firefox
- **RAM**
  - At least 1 GB available
- **Supported platforms**
  - Windows or Linux PC
  - macOS
  - Android
  - iOS

These specifications are indicative and may vary with module usage and data volume. A detailed sizing will be performed during the project study.

Datasheet





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FA Solutions SAS
registered under number 944 246 529 with the Paris Trade and Companies Register