

JOB OFFER – Positive Aviation – Deputy Chief Engineer / Aircraft Architect

At **Positive Aviation**, we believe that aviation is a force for good for our society and our environment.

Positive Aviation was born based on two basic observations: civil protection authorities can perform in their mission to protect common and private assets, public health, nature and biodiversity only when equipped with the right means; and the iconic “Canadair” Super Scooper – a cornerstone of their firefighting activities – is no longer at the required level of reliability and availability.

Positive Aviation is an engineering and industrial company, developing and implementing modifications on second-hand ATR 72 transforming them into amphibious water scooper firefighter aircraft – the FF72. The pragmatic technical concept is based on proven technologies and combines the precious expertise of the aeronautical and the naval industries.

Starting with the FF72, Positive Aviation aims at being a key actor all along the aircraft lifecycle and companion to its operators.

Positive Aviation’s offices are located at the Toulouse Blagnac airport, inside the hangar H16. The H16 hosts Positive Aviation, the development plateau of the FF72 with its industrial partners and the assembly of the FF72-X1, a demonstrator that will make its first flight in early 2027.

Joining Positive Aviation means being part of the creation of a unique European seaplane design office, and living the adventure of a new aircraft development which will enter into service in 2028.

At Positive Aviation, we favor team work towards pragmatic and realistic solutions, and are proud to build on the rich aeronautical and naval legacy to **protect what is dear.**

About The Role:

Part of the Engineering team, you will act as the right-hand to the Chief Engineer and hold overall accountability for overall aircraft design consistency and physical/functional architecture integration. You will drive cross-disciplinary technical choices across aerodynamics, structures, systems, loads, and flight physics, ensuring the FF72 concept delivers optimal performance, safety, and compliance from initial design to flight testing and certification.

In detail, you will:

- **Overall Aircraft Architecture & Integration:** Define, freeze, and manage the overall physical and functional aircraft baseline (Digital Mock-Up / DMU, weight & balance, space allocation, zone packaging, external geometry).
- **Technical Arbitration & Trade Studies:** Lead trade studies across multi-disciplinary engineering domains (Structures, Aero/Hydro, Systems, Flight Dynamics, Maintenance) to arbitrate technical compromises and optimize overall aircraft level performance.
- **Support to Chief Engineer:** Represent the Chief Engineer in technical reviews, change boards (CCB), certification progress meetings with airworthiness authorities (EASA) and industrial partners.
- **Interface & Requirements Flowdown:** Ensure top-level aircraft requirements (TLAR) are correctly defined, validated, and flowed down to system, structural, and flight physics modules, managing inter-domain interface control documents (ICD).
- **Safety & Airworthiness Coordination:** Oversee overall aircraft safety synthesis (FHA, SSA) and ensure certification compliance strategies align with EASA CS-25 rules and seaplane special conditions.
- **Design Baseline & DMU Management:** Ensure digital mock-up integrity, structural modification packaging, weight and center of gravity tracking, and configuration management across all design phases.

About You:

- **Experience:** 5 to 10+ years of experience in aerospace engineering with proven expertise in overall aircraft design, aircraft architecture, or integration roles within a Design Office. Experience in aircraft modifications, MRO, or new aircraft programs is highly valued.
- **Technical Mastery:** Broad knowledge spanning aerostructures, systems integration, aerodynamics, loads, and flight physics. Proficiency in CAD/DMU tools (CATIA V5 / 3DEXPERIENCE) and weight & balance management.
- **Regulatory & Safety Knowledge:** Solid understanding of EASA CS-25 certification frameworks, ARP4754A systems engineering logic, and aircraft safety assessment processes.
- **Leadership & Communication:** Strong technical leadership, synthesis, and communication skills in English and French. Ability to simplify complex technical trade-offs into actionable decision frameworks.
- **Soft Skills & Mindset:** Diplomatic, pragmatic, low-ego, highly structured, and comfortable navigating multidisciplinary technical interfaces under tight development schedules. Driven by a passion for aeronautics and innovative seaplane design.

Overview of Key Responsibilities & Capabilities

Pôle d'intervention	Activités Principales	Livrables & Outils
Architecture Avion & Intégration DMU	Gestion de la maquette numérique globale (DMU), arbitrage des volumes/masses/centrage et intégration physique des systèmes & structures.	Aircraft Baseline, Top Level Aircraft Requirements (TLAR), bilan de masse & centrage, ICD.

Pôle d'intervention	Activités Principales	Livrables & Outils
Arbitrages Techniques & Études de Synthèse	Pilotage des compromis multidisciplinaires (aéro, calcul, systèmes, hydro), animation des comités de modification (CCB).	Notes de synthèse d'architecture, dossiers d'arbitrage technique, dossiers de compromis.
Support Chief Engineer & Certification	Représentation de l'Ingénieur en Chef, suivi de la cohérence de certification (EASA CS-25), validation de la chaîne de sécurité globale.	Compliance Checklist globale, présentations d'avancement EASA, synthèses de sécurité avion (FHA/SSA).

If you want to live the adventure of a new aircraft development, be part of a team of passionate experts, and evolve in a pioneering and flexible environment where care and hunger for growth are celebrated, join us!

Positive Aviation is an Equal Opportunity Employer. All qualified applicants will receive consideration for employment without regard to race, sex, gender, sexual orientation, age, color, religion, national origin, protected veteran status or on the basis of disability.

Feeling inspired and wanting to apply, send your CV and motivation letter to **career@positive-aviation.com**, we get back to you shortly.