

JOB OFFER – Positive Aviation – Industrial Architect Engineer

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 2029.

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 Programme team, you will be accountable for defining, designing, and optimizing the global industrial architecture for the FF72 conversion and assembly lines (FAL). You will achieve this by shaping the manufacturing sequence, designing station layouts, defining required GSE (Ground Support Equipment) and tooling, and ensuring seamless integration between design engineering and industrial operations.

In detail, you will:

- **Industrial Architecture & Layout Definition:** Define the overall industrial footprint and station-by-station layout (hangar H16 and future scaling facilities), optimizing workflow, tact time, footprint utilization, and material logistics.
- **Design for Manufacturing (DFM) & Assembly (DFA):** Collaborate closely with Design Office (Structures, Systems) to influence aircraft modification concepts, ensuring ease of assembly, ergonomics, maintenance accessibility, and cost efficiency.
- **Tooling & GSE Specification:** Specify, evaluate, and steer the development of specific tooling, jigs, jacks, float supports, towbars, and access platforms (GSE) required for modification and final assembly operations.
- **Manufacturing Sequence & Work Breakdown Structure:** Establish the industrial Work Breakdown Structure (WBS), bill of processes (BOP), and assembly sequences from conversion teardown to final flight line delivery.
- **Partner & Supplier Integration:** Coordinate with industrial partners, architects, construction engineering firms (e.g., infrastructure, hangar connectivity, 5G/RFID automation), and tooling suppliers to deliver turnkey assembly stations.
- **Continuous Improvement & Industrial Digitalization:** Implement Lean manufacturing principles, digital shop floor integration, and environmental controls (waste management, DIB, hazardous materials) into line operations.

About You:

- **Experience:** Strong background in aerospace manufacturing engineering or industrial architecture, with proven experience in aircraft final assembly lines (FAL), heavy maintenance (MRO), or complex structural modification programs.
- **Technical Skills:** Deep understanding of DFM/DFA principles, industrial layout tools (CATIA, 3DEXPERIENCE, AutoCAD, or factory simulation software), process planning, and GSE/tooling engineering.
- **Project Management & Coordination:** Demonstrated ability to lead cross-functional industrial packages (infrastructure, tooling suppliers, design office interfaces) and steer budgets and schedules.
- **Communication:** Fluent in English and French, with outstanding written and verbal communication skills to interface effectively with engineering, supply chain, floor operators, and external partners.
- **Soft Skills & Mindset:** Autonomous, highly pragmatic, structured, solution-oriented, and thriving in a colocated scale-up environment. Passionate about aviation and industrial challenges.

Overview of Key Responsibilities & Capabilities

Pôle d'intervention	Activités Principales	Livrables & Outils
Architecture Industrielle & Layout	Définition du schéma industriel global, dimensionnement des postes FAL, flux logistiques et ergonomie des postes.	Layouts 2D/3D (CATIA/AutoCAD), plans d'implantation, chronogramme des flux & Takt Time.
Outillages & GSE	Spécification et suivi du	Cahiers des charges

Pôle d'intervention	Activités Principales	Livrables & Outils
(Design for Manuf)	design/fabrication des outillages spécifiques (jacks, supports flotteurs, towbars, pelles d'accès).	outillages (GSE Spec), revues DFM/DFA, suivi des livraisons outillages.
Séquencement & Procédés (BOP)	Établissement du gammatage macro, découpage en Work Packages d'assemblage et intégration des partenaires industriels.	Industrial WBS, Bill of Processes (BOP), fiches d'instructions macro et dossiers d'industrialisation.

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.