



Assembly, Integration & Test (AIT) Technician
Space Sector – M/F – Permanent Contract

****COMPANY OVERVIEW****

ION-X is a start-up dedicated to developing and commercializing a groundbreaking propulsion technology for nano and micro satellites.

The result of over 10 years of research in a leading laboratory, our technology delivers exceptional performance and promises significant commercial opportunities. Our team of around twenty five employees has already conducted numerous tests on prototypes in our lab, confirming the disruptive potential of our technology. This has generated strong commercial interest from our European partners.

Following the success of our first in-orbit demonstration in 2025, the company aims to deliver one engine per month starting in 2026. We then plan to scale up production, targeting 50 engines per year by 2028 and up to 200 engines annually over the next five years.

****JOB DESCRIPTION****

As part of our growth, we are seeking an **AIT Technician** to contribute to the integration, assembly, and testing of our engines, while ensuring quality, traceability, and process optimization in a controlled environment.

In a dynamic and innovative setting, you will work closely with the Production and Testing teams at our Palaiseau offices.

As an **AIT Technician**, your main responsibilities will include:

1. Integration and Assembly Operations:

- Assemble and integrate propulsion systems according to technical and quality specifications.
- Test subsystems and ensure traceability of operations.
- Collaborate with R&D to resolve technical issues.

2. Optimization of Integration and Manufacturing Processes:

- Monitor the performance of AIT tools and propose improvements.
- Contribute to process reliability alongside Manufacturing and R&D.

3. Quality Control and Documentation:

- Inspect incoming parts to ensure compliance with technical and quality requirements.
- Maintain full traceability of products and assembly operations.
- Update AIT documentation according to quality standards (ECSS).
- Track and address non-conformities (NCR); contribute to lessons learned to continuously improve the Assembly, Integration, and Test (AIT) process.

4. Controlled Environment Management:

- Verify and maintain the ISO 7/8 cleanroom environment.
- Perform periodic checks to ensure the proper functioning of equipment required for the AIT process.

****REQUIRED PROFILE****

Education and Experience

- Associate's degree (BTS/DUT/BUT) in Physical Measurements, Electronics, Mechanics, or equivalent.
- Previous experience in AIT (Assembly, Integration, Testing) is a significant advantage.
- Experience in a clean and regulated environment (cleanroom), ideally in the space, defense, or medical sectors (internships or apprenticeships accepted).

Technical Skills

- Ability to read and interpret mechanical and electrical drawings.
- Proficiency in the mechanical and electrical integration of complex subsystems.
- Experience with functional testing under vacuum, thermal, and vibration conditions, as well as data acquisition systems.
- Knowledge of space standards (ECSS), quality procedures (EN9100), and ESD precautions is a plus.
- Ability to draft technical and quality documentation: tracking files, test reports, traceability, and non-conformities.

You are autonomous, rigorous, pragmatic, and proactive. You enjoy teamwork and the opportunity to thrive in an entrepreneurial and innovative environment.

A passion for the space sector is a real asset.

****WHY JOIN US?****

- Unique opportunity to contribute to the development of one of the most efficient space propulsion systems ever orbited.
- Be part of an exciting entrepreneurial journey within a passionate team based in one of France's leading research institutions.
- Constant challenges with daily opportunities to learn, grow, and develop.

To apply, please send your resume to:

Emmanuel Plier, COO

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