



# 3D AEROSPACE

***3D/2020/ENG/001 Job opportunity - AOT***

***(Junior) Mechanical, Assembly, Integration & Test MAIT engineer***



**3D Aerospace**

3D Aerospace ([www.3daerospace.eu](http://www.3daerospace.eu)) is a dynamic European start-up established in June 2018. 3D Aerospace is located at Albi (South of France) in the incubator of the Ecole des Mines. 3D Aerospace has received several funding (local, national and European) in order to manufacture and test its first prototypes in 2020. The company is developing an innovative new generation of GNSS (GPS / Galileo) receiver targeting the 4.0 industry applications.

The company is based on equality gender, positive working atmosphere, hard work transparent communication and continuous improvement. 3D Aerospace proposes a safe environment to make innovation happens. As a high technology company, failures are perceived as an opportunity to learn and to improve as long as a rigorous and structured work has been applied.



**Job description**

During the period of the contract, the selected candidate will have the following responsibilities:

***1. Mechanical Designer***

Within this role, you will be in charge of:

- 1.1. Maintaining the mechanical subsystem baseline and ensuring the compliance to mechanical and system requirements.
- 1.2. Understanding the needs from the engineering team and being able to translate the needs into clear, qualified and quantified requirements.



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- 1.3. Performing the eHermes mechanical design on SolidWorks software, based a material choice, manufacturing cost, aerodynamics performances and mechanical simulations.
  - 1.4. Establishing the 2D / 3D mechanical drawings including tolerances build-up analysis.
  - 1.5. Optimizing the eHermes mechanical design based on material choice, manufacturing cost, aerodynamics performances and mechanical simulations.
- Writing Design Justification report and other technical reports

## **2. *Assembly, Integration & Test engineer***

Within this assembly & integration engineer role, you will be in charge of:

- 2.1. Managing the manufacturing and the industrialisation process by supervising the suppliers.
- 2.2. Managing the quality of the manufacturing by raising Non-Conformance-Reports.
- 2.3. Managing the part inventory and the stock status to enable of lean manufacturing process
- 2.4. Preparing documentation for assembly and integration activities (assembly procedures).
- 2.5. Assembling the eHermes receivers through controlled assembly procedures

Within the test engineer role, you will be in charge of:

- 3.1. Defining test need and approach and prepare test plan.
- 3.2. Establishing, prepare and monitor the qualification tests and acceptance tests according to agreed planning, budget and quality.
- 3.3. Ensuring quality process via preparing appropriate milestones (MRR, TRR, PTR, TRB).
- 3.4. Design and ensure availability of test MGSE or EGSE depending on test needs.
- 3.5. Writing mechanical and electronic test procedures to test the eHermes receiver.
- 3.6. Writing test reports following the completion of the tests.



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## Requirements

Soft Skills										Minimum Requirements										
Team spirit										SolidWorks										
Hard-worker										English										
Motivator										French										
Communication										Word – Excel										
Team Mentality										2D Drawings										
Willingness and Ability to Learn										Mechanical degree (MSc or Meng)										



## Additional Information

**Location:** 20 Chemin de la Teuliere, Albi, 81000 France

**Desired start of contract:** September - October 2020

**Duration:** An initial 12 months fixed term contract with a possible 18-month extension leading to a permanent contract.

**Working Language:** English

**Annual salary:** 30 000€ per year (before tax) which is composed of a fixed salary of 27 800€ and bonuses up to 2 200€.

**Contact email address:** [contact@3daerospace.eu](mailto:contact@3daerospace.eu)

**Working conditions:** 3D Aerospace is a small team of passionate and hard worker people. Our small size is actually one of our man strengths as it provides agility, flexibility and a sense of family-size company. Our organisation is based on daily scrums and monthly milestones review.

**Visa requirements:** Being able to work on French territory.

**Application process:**

1. Please send your CV in English at @[contact@3daerospace.eu](mailto:contact@3daerospace.eu)
2. One case study to prepare offline
3. One interview with 3D Aerospace core team.