

## Employment Opportunity for a Mechanical Engineer

Tyvak International S.R.L. is seeking new members to join their hardware development team. Tyvak focuses exclusively on developing components and subsystems into highly-integrated and custom nano-satellite vehicles. The Team's skillset ranges from architecture, design, build, and test of major mechanical, electrical, and software subsystems integrated into small spacecraft.

### Job Functions and Responsibilities

As a mechanical engineer, the candidate will join a collaborative team to develop innovative nano-satellite vehicle solutions for multiple projects. The individual will be responsible for hardware development during all phases of a development cycle, including requirements, design, implementation, test, integration, and documentation in a fast-paced environment. It is expected that the individual will have an ability and desire to learn, grow, and discover continuously. Specific tasks will include:

- Working in a small team environment closely with electrical, and system engineers to develop optimal solutions to complex problems
- Participating in hardware requirements generation, design, implementation, and testing discussion with multiple team members
- Develop assembly procedures, test plans, and fabrication documentation
- Participating in team discussions involving vehicle arrangement and design for ongoing and future projects
- Maintaining and updating the 3D model database
- Identifying appropriate materials and surface treatments for spacecraft parts
- Working in both an office and lab environment

### Qualifications and Skills

- BS or MS in Mechanical, Aerospace, or equivalent degree required
- Strong mechanical background
- Ability in working with solid modeling software and FEA (SolidWorks, ANSYS)
- Knowledgeable and proficient in applying advanced engineering principles
- Quick to grasp abstract problems and creative in visualizing solutions
- Productive in craftsmanship and attentive to detail
- Ability to document complex designs and procedures with attention to detail
- Good communication with team members, and ability to provide and receive constructive criticism
- Ability to work with flight hardware in a controlled environment
- Ability to use precision inspection equipment, i.e. micrometers, indicators, (usually acquired by machining or other precision hands-on experience)

### Proficient use of written and oral English language is mandatory

The main company office is located in **Torino, Italy**. Salary and benefits are market competitive. Position expected to be filled as soon as possible.

Please respond to [HR@tyvak.eu](mailto:HR@tyvak.eu) and visit <http://tyvak.eu> for more company information.

Thank you.

