

Employment Opportunity for a Control System Engineer

Tyvak International S.R.L. is seeking new members to join their team to support control system development. Tyvak focuses 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 mechanical, electrical, and software subsystems integrated into small spacecraft.

Job Functions and Responsibilities

As a controls engineer, the candidate will join a collaborative team to develop innovative nano-satellite vehicle solutions for multiple projects. The individual will be responsible for some combination of analysis, software, hardware, test, integration, and documentation in a fast-paced environment. Specific tasks may include:

- Working in a small team environment closely with hardware, software, mechanical, and systems engineers to develop optimal solutions to complex problems.
- Developing simulations and performing analysis to inform preliminary vehicle design (Primarily MATLAB/Simulink).
- Developing flight system algorithms and implementations for small satellites and launch vehicles (Primarily autocode MATLAB/Simulink/Stateflow in coordination with the embedded software team).
- Vehicle control system architecture sizing and definition.
- Control system hardware development, implementation, and test.
- Contributing to concept of operations development and mission operations.
- Participating in team discussions involving vehicle architecture and design for future projects.

Qualifications and Skills

- Highly motivated, self-starting, enthusiastic, and able to perform duties autonomously.
- BS or MS in engineering field with focus on control systems.
- MATLAB proficiency with Simulink, Stateflow, and Autocoding experience desirable.
- Familiarity with spacecraft and/or launch vehicle control systems. Small satellite or CubeSat experience desirable.

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 and visit <http://tyvak.eu> for more company information.

Thank you.

