

MÖHLIN / SWITZERLAND

Flight Control Engineer

Key words: Autonomy, Flight Control Development, UAV, RPAS,

Are you looking for a new challenge? Do you describe yourself as a self-motivated person who wants to take on an active role in a development driven team, working in the fast-emerging industry of unmanned technologies and close working relationships with the other departments from a variety of disciplines?

We offer the unique opportunity to see your work from input all the way through to the final product. We are looking for a new Flight Control Engineer to lead the requirement development activities and ensure compliance with the latest regulatory and functional requirements.

Responsibility

- Design, implementation and tuning of guidance, navigation, and control algorithms for an autonomous single rotor helicopter system
- Integration of algorithms on test bench and unmanned aircraft
- Designing of flight tests for data collection
- Analysis, selection, and integration of sensors
- Interfacing with external suppliers
- Writing and reviewing technical documentation for product development and certification
- Technical project management, including coordination of the project activities across departments
- Testing and verification throughout the development process, from design and production to flight testing



Qualifications

- University degree in Aeronautical Engineering, Automation Engineering or similar
- Experience in system dynamics (rotary wing desirable), software development, and flight controls development
- Experience with unmanned autonomous platforms (e.g. guidance, navigation and control, Kalman-Filter, non-linear systems, machine learning, simultaneous localization and mapping, real time systems etc.)
- Proficient with Matlab and Simulink, C / C++ program language knowledge desirable
- Experience with projects in aviation/drone industry and knowledge of regulatory standards in terms of software requirements and development processes is desirable
- Experience with HIL setup and testing process is desirable
- Experience in managing development projects is desirable
- Good English language skills, both verbal and in writing
- Working knowledge of German language is an advantage
- Good team player skills and self-driven attitude
- Willing to be flexible in working practices, not just sitting at a desk but also “Hands on”

Interested?

Please send your complete application or questions to work@umsskeldar.aero.

