

Subject:	Internship – Power Electronics for Aircraft Industry		
Place:	Cardano al Campo (VA)	Duration:	3-6 months

Brancardo Industries is a business operating in the aviation industry, partnering with major companies operating in UAV and manned systems. It is a young, dynamic and fast-growing reality, founded on technical and industrial skills that enable it to work on high-profile projects. Brancardo Industries Engineering team is specialized in electronic design, with specific knowledge in aeronautics, which helps the company stay at the leading edge of technology within the avionics industry. Brancardo develops both catalogue (COTS) and custom developed products, thus tailored to the customer's needs, seeking to propose solutions aimed at optimizing performance and minimizing overall dimensions.

Purpose of the Internship is to assist Brancardo's Power Electronics team in the research and development ongoing activities focused on Power Converters and Solid-State Relays for aircraft's electrical distribution systems. The candidate will be able to collaborate closely with members of the R&D team on projects in development and on products on the shelf (Acceptance Test). This experience will allow the trainee to apply his hard skills learned during university and refine them, while at the same time he can start training as a power electronics engineer, managing to cover various aspects of the profession.

Main Duties:

- Analysis of requirements and technical specifications;
- Drafting technical documentation;
- HW Design (computation and simulation);
- Collaboration with the engineering team;
- Support in the creation of prototype schematics;
- Laboratory activities;
- Participation in technical meetings with research partners and suppliers.

Expected Skills:

- Master's degree in electrical engineering obtained or in the process of being obtained;
- Basic knowledge of Power Electronics design and simulation tools (Matlab, LTSpice, PLECS, FEMM);
- Analysis skills and strong attitude for problem solving and autonomy;
- Attitude to teamwork and strong drive to grow and learn;
- Good English knowledge (spoken and written).

Duration: 3-6 months

Contact:

Roberto Caminiti (Brancardo Industries)

Please, send your CV to r.caminiti@brancaro.com

The activities will be carried out at Brancardo Industry facility in Cardano al Campo (VA) with possibility of remote working during the preliminary analysis phase.