

Position Description

1. General information

Position reference	Dovetail-PF1: Aerospace Battery Structure Materials
Research topic	Exploring new materials that could enable lighter weight battery elements that also meet the stringent safety requirements of aerospace application.
Supervisors	<ul style="list-style-type: none">• Ignacio Echavarria Diaz-Guardamino (Dovetail)• Pier Marzocca (RMIT)
Research areas	Structural Engineering; Composite Materials Design and Manufacturing
Employing entity	Dovetail Electric Aviation SL (Dovetail)
Seconding entity	RMIT University (RMIT)
Position funded by	<ul style="list-style-type: none">• COFUND, Marie Skłodowska-Curie Actions (MSCA), Horizon Europe, European Union• Dovetail Electric Aviation SL• RMIT University
Additional information	<ul style="list-style-type: none">• https://dovetail.aero/technology/
Foreseen start date	September 2025
Gross annual salary	36,470 EUR plus complements defined below

2. Expected candidate profile

Desired technical skills and qualifications include:

- Materials science and engineering (with knowledge of advanced materials, thermal properties of materials, materials for structural integrity).
- Background in battery design and technology (including battery module design, battery safety systems, electrochemistry).
- Aerospace engineering (aircraft propulsion systems, aerospace materials, structural integrity in aerospace)
- Finite Element Analysis (FEA) and simulation (simulation and modeling, thermal simulations).
- Mechanical design (design for manufacturability and assembly, prototyping and testing).
- Advanced manufacturing techniques: additive manufacturing (3D printing), composites and fabrication
- Project management and collaboration.
- Sustainability and environmental considerations.

3. Employment conditions

Dovetail Electric Aviation offers a 36-month (3-year) postdoctoral full employment contract to work at its facilities in Seville, Spain as part of the AuSpire researcher training program, co-funded by the European Commission under the MSCA COFUND scheme. The total working hours per week are 40 and there is a probation period of 6 months.

The remuneration, in line with the European Commission rules for Marie Skłodowska-Curie grant holders, will consist of a gross annual salary of 36,470 EUR. The definite amount to be received by the Postdoctoral Fellow is subject to Spanish tax legislation.

The position will be jointly supervised by Dovetail Electric Aviation (Employing Entity) and RMIT University (Seconding Entity) where the Postdoctoral Fellow must undertake a secondment at the premises of the latter in Melbourne, Australia for up to 12 months.

Additionally, the program includes annual in-person workshops at various locations across Spain, along with online training and networking activities.

Benefits include:

- 4,000 EUR relocation for employment stipend to cover costs associated with taking up employment (flights, visa, insurance, etc.), to be distributed monthly as a top-up to the gross salary.¹
- 9,000 EUR relocation for secondment stipend to cover compulsory project-related travel and accommodation costs (flights, visa, insurance, accommodation, etc.).¹
- 3,000 EUR travel stipend to cover flights and accommodation for participating in compulsory AuSpire training and networking events in Spain over the 3 years.¹
- 314 EUR monthly family allowance offered to candidates who meet the criteria.^{1 2}
- Access to all the necessary research and training facilities and laboratories at Dovetail and RMIT ([AMP](#), [RACE](#), [Wackett](#), [SHEL](#)).
- 22 days of paid holiday leave.
- Spanish Social Security coverage.
- Sick leave.
- Parental leave.
- Becoming a Marie Skłodowska-Curie fellow and be invited to join the [Marie Curie Alumni Association](#).

¹ The definitive amount to be received by the Postdoctoral Fellow might be subject to Spanish tax legislation.

² According to MSCA-COFUND requirements, Fellows with family obligations are entitled to a family allowance (i.e. persons linked to Postdoctoral Fellow by (i) marriage, or (ii) a relationship with equivalent status to a marriage recognised by the legislation of the country or region where this relationship was formalised; or (iii) dependent children who are actually being maintained by the Postdoctoral Fellow).