HYDROGEN PROPULSION ENGINEER

Company Description

ITP Aero is a world leading aircraft engine and component company, with 4,175 employees and facilities in Spain, the UK, Mexico, Malta and India.

ITP Aero develops technology to drive the aerospace industry towards a more sustainable future. The development of our own technology is our main competitive advantage. Approximately half of the world's aircraft are equipped with ITP Aero products.

We are founding members of the EU Clean Aviation programme and the first Spanish aerospace company to commit to achieving net zero carbon emissions by 2050, in line with the UN Race to Zero initiative. www.itpaero.com

Information

Deadline: 2023-03-25
Category: Business
Province: Bizkaia
Country: Basque Country
City: Zamudio

Company

ITP Aero

Main functions, requisites & benefits

Main functions

ITP Aero proposes you to work in Research & Technology area to develop the technology to drive change in the aerospace sector, towards a more sustainable mobility. ITP Aero develop proprietary and state-of-the-art technologies & capabilities across the life cycle of our products. Hydrogen is an energy vector that allows a radical reduction of greenhouse gas emissions. The use of hydrogen in aviation is a long-term technological development strategy. Hydrogen in aeronautics will be used under cryogenic storage conditions to minimize its volume. Hydrogen must be conditioned for use at the proper temperature and pressure for injection into a combustion chamber or fuel cell.

You will have the opportunity to generate engineering knowledge and apply it in demonstration projects to mature the technology for later application in product development. How will you achieve this?

Working in an integrated multidisciplinary R&T team, you will have to apply your knowledge of aeronautical/mechanical engineering in: Fuel cells Thermal management Heat exchangers Fluid dynamics Combustion In order to design a propulsion system using hydrogen as sustainable fuel, build it and demonstrate its technological validity.

Requisites

Education: Degree/bachelor´s level in aeronautics/mechanical engineering field. Interest in: research, innovation, sustanability, hydrogen. Languages: English skills

Benefits

Meal voucher Hybrid work Flexible working hours Commuter benefits 24 days holiday / year + bank holidays