



Iveco Group N.V.
Corporate Seat: Amsterdam,
the Netherlands
Chamber of Commerce
Registration no.
83102701

Iveco Group is a global automotive leader. Each of its 8 brands is a major force in its specific business: IVECO designs, manufactures, and markets heavy-, medium- and light-duty trucks; FPT Industrial, a global leader in advanced powertrain technologies; IVECO BUS and HEULIEZ, mass-transit and premium bus and coach brands; Iveco Defence Vehicles, for defence and civil protection equipment; ASTRA, a leader in heavy-duty quarry and construction vehicles; Magirus, the industry-reputed firefighting vehicle and equipment manufacturer; and IVECO CAPITAL, the financing arm which supports them all. Iveco Group employs approximately 34,000 people around the world and has 28 manufacturing plants and 29 R&D centres.

FPT Motorenforschung AG in Arbon has around 250 highly qualified employees and functions as the main innovation center for FPT Industrial. The site is involved in developing future powertrain solutions (not only in electrified powertrains, hybrids and fuel cells, but also novel engines concepts and alternative fuels) and is therefore at the forefront of a transition towards a future of alternative propulsion systems.

We would like to fill the following position as soon as possible:

Systems Engineer for the Development of Battery Safety Concepts & Innovation Projects

As a member of the Battery Systems Team in the Electrified Powertrain Engineering division of FPT Industrial, you will be part of a highly skilled team driven to design and engineer best-in-class battery systems for our electrified powertrain product portfolio. You will be a member of the responsible team for identification and integration of HW & SW elements which are necessary to be compliant with the new homologation requirements ECE R100.3 for HV Battery system. Furthermore, you will support the Innovation projects tasks, which are dealing with high energy cells concepts, design and build module and develop advance BMS control system which deal with smart cooling system and fast charge algorithm.

Your tasks

- Working in a multidisciplinary team to develop best-in-class battery system designs for our electrified powertrain product portfolio for hybrid and full electric powertrains
- Guarantee HW & SW elements Homologation compliance intent to be introduced and or implemented into the Battery System.
- Support the assembly/disassembly procedure during the definition of new HW & SW HV Battery pack concepts
- Work with the specialists of our design team to improve safety and compliance with the new Homologation requirements

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- Perform or orchestrate relevant design analysis for production & innovation projects
- Technical liaison with battery system and sub-components suppliers
- Communicate results and make presentations that describe analysis and solutions
- Collaborate closely with various internal departments / laboratories and universities
- Support process development within the team to follow best in class approaches to systems development

Your profile

Basic Qualifications:

- You hold a university degree in electrical, mechanical or systems engineering
- A minimum of 3 years of experience in a similar role
- Excellent understanding of system and component interactions
- Advanced English skills (spoken and written) are mandatory as this is our main working language. In addition to this, any German and/or Italian language skills would be a welcome asset
- You are a highly motivated self-starter and team-player with a clear and precise communication in order to be able to document your work, generate reports and present your findings

Preferred Qualifications:

- Strong technical understanding of battery systems and technologies, including cell interconnects, battery internal wiring, electrical isolation and other electrical components (fuses, contactors, service disconnect)
- Experience with safety-critical electronic product development for automotive applications
- Experience with Safety Battery concepts in regards to commercial vehicle development
- Understanding of battery pack manufacturing
- Self-motivated with the ability to manage multiple tasks
- Good technical communication skills

Interested?

Please send your application in English to recruitment.arbon@ivecogroup.com

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