



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

Iveco Group (MI: IVG) is a global automotive leader active in the Commercial & Specialty Vehicles, Powertrain, and related Financial Services arenas. Each of its eight brands is a major force in its specific business: IVECO, a pioneering commercial vehicles brand that designs, manufactures, and markets heavy, medium, and light-duty trucks; FPT Industrial, a global leader in a vast array of advanced powertrain technologies in the agriculture, construction, marine, power generation, and commercial vehicles sectors; IVECO BUS and HEULIEZ, mass-transit and premium bus and coach brands; Iveco Defence Vehicles, for highly-specialised defence and civil protection equipment; ASTRA, a leader in large-scale 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 working with commitment and acknowledged success. 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:

BMS Test Engineer

The successful candidate will join a small team involved in automotive electric vehicle design and development.

Your tasks

- Testing cases and testing Protocol's design for requirement
- Testing cases and testing Protocol's design under ISO26262
- BMS Testing and Validation
- Atomization of test cases and test bench
- Report writing and document management
- Working with a DSPACE HiL rig and supporting BMS development with a streamlined feedback loop
- Strong collaboration with the BMS system development team alongside functional safety and battery engineering teams to ensure final delivery of a high quality, reliable product

FPT Motorenforschung AG
Schlossgasse, 2
Postfach 80
9320 Arbon – Switzerland
Ph: +41 71 447 74 77
VAT n° CHE-108.055.502

Your profile

Basic Qualifications

- A university degree qualification (BSc, MSc or PhD) in Engineering, Systems Engineering, or an engineering related field.
- 3-5 years of experience in automotive HIL testing
- Understanding of Li-ion technology and Battery Management System
- Simulink expertise and testing environment
- Understanding of test cases for safety, functional (HW/SW Integrated), communication and for fault generation
- Diagnostic ability for test bench SW/HW
- Strong attention to detail and able to refine processes according to experience
- Strong communication skills, capable of interacting with cross-functional teams both internally and externally
- A self-starter, highly self-motivated, determined and independent professional with a willingness to seek guidance and involve others whenever required
- Capability to deliver high standard of technical writing (in English language)

Preferred Qualifications:

- Experience on DSPACE systems or any other BMS HIL testing system
- Knowledge of CAN protocols
- Working knowledge of industry standard requirements management tools, e.g. DOORS, Polarion & Spiratest
- Familiarity with automotive standards for functional safety, such as ISO26262, IEC6150, IEC60730
- Familiarity with high voltage battery pack and battery management systems (BMS)
- Familiarity with processes under quality plan: change request management and configuration management
- Experience in the automotive or safety regulated environment would be advantageous

What we offer

- Swissmem member
- Attractive employment conditions with good social security benefits
- Flexible working hours with block times (flexi-time model)
- 40-hour week with at least 5 weeks of vacation and 1 week compensable time (Vorholzeit)
- Home Office possibility
- Training opportunities
- An open-minded corporate culture with international teams
- Flat hierarchies and informal culture
- Regular employee events



- Special discounts from various suppliers and on car purchases
- Free parking for our employees

Interested?

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

FPT Motorenforschung AG, Schlossgasse 2, CH-9320 Arbon, Tel. +41 71 44 77 477,
www.fpt-motorenforschung.ch