



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:

Battery Test Engineer

As a member of the Battery Validation Team you will be part of a highly skilled team driven to design and engineer best-in-class battery modules, packs and systems for FPT Industrial electrified powertrain product portfolio. You will work in a collaborative and multidisciplinary team environment, contributing to the development of advanced concepts as well as their implementation for application to on-road vehicles and non-road applications.

Your tasks

- Collect and define thermal, electronic, and electrochemical test requirements
- Collect and maintain test documentation
- Connect the organization to the latest technology developments and trends in industry, also monitoring market and competitors' product portfolio
- Technical liaison with customers in vehicle and systems development, battery suppliers, and design and prototyping teams.
- Plan and supervise tests on rigs (components) and test benches
- Communicate results and prepare presentations that describe analysis and solutions
- Collaborate closely with various test facilities, laboratories, universities, and internal departments

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- Assist on developing processes and upgrading the laboratories
- Troubleshooting any issues on test benches and active engagement with equipment providers

Your profile

Basic Qualifications:

- Professional or university education degree in electrochemistry, electronics, electrical engineering, or otherwise related to batteries.
- Proven record of accomplishment in testing of battery systems (modules and packs).
- Strong attention to detail in both experimental setups and data analysis
- Able to document and communicate results according to target group
- Able to communicate and align on level with sub suppliers and internal customers
- Highly motivated and accurate working self-starter
- Willing to constantly learn
- Skilled and willing to interact in a multinational environment
- English language C1, written and spoken
- Experience in product development processes

Preferred Qualifications:

- 2 years working experience in a relevant field.
- Expertise in MATLAB
- Good knowledge of Automotive Bus systems such as CAN (Controller Area Network), isoSPI etc. and respective tools like CANalyzer
- Experience with FMEA, DVP (Design Validation Plans), ISO 26262 methodology, and relevant automotive standards
- Fluency in German or Italian language, written and spoken
- Experience working with sensor equipment (pressure, temperature, voltage, current, gas, etc.)

Interested?

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

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www.fpt-motorenforschung.ch