



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:

## System Design Engineer (Fuel Cell)

As a member of the Fuel Cell Systems Team, you will be part of a highly skilled, motivated and independent team. You will support the engineering, development and integration of fuel cells into hybrid powertrains.

As a fuel cell system design engineer, you will be responsible of the design of the fuel cell system and subsystems, assembling strategies, coordination of structural and vibrational analysis. Additionally, you will support management decisions by analyzing fuel cell trade-offs in cooperation with the components and subsystems engineers.

### Your tasks

- Development and Design of fuel cell system components, subassemblies and system, considering production and assembly requirements already at early design stage
- Creation of complex geometries of new components and complex assemblies within the 3D CAD environment
- Possible structural analysis and optimization of components during the design process using CAD integrated simulation tools

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- Study, invention and implementation of new technologies to meet our product targets
- Close collaboration with various internal departments, laboratories and suppliers as well as communication of new ideas, designs and solutions through presentations
- Support of the process of technical requirements definition (State of Requirements) and evaluation of supplier designs and technical proposals

### Your profile

- Bachelor or Master of Science in Engineering
- Deep understanding of statics, applied mechanics and dynamics together with proven experience in mechanical design and development
- Knowledge of modelling and design tools (CAD, FEM) for mechanical design and static and dynamic structural analysis for virtual validation during the early design phase
- Knowledge of Design Standards, material specification and properties as well as thermal analysis
- Basic understanding of fluid-dynamics and thermodynamics
- Good understanding of manufacturing processes for mechanical components (casting, machining and additive manufacturing) and key challenges
- Experience in preparation of 2D drawings for proto-shop and internal/external commissioning of parts
- Independent and self-motivated with the ability to think out of the box and propose alternative solutions
- Team-player with very good communication skills
- Good English skills (spoken and written), German and/or Italian skills would be an asset

### 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, depending on position
- 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 to [recruitment.arbon@ivecogroup.com](mailto:recruitment.arbon@ivecogroup.com)

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