



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:

Flow Lab Engineering Intern

We are looking for a young engineer who is interested to work in a multi-disciplinary team to design and test new powertrain parts, which will play a key role in the future. The ideal candidate has or is about to obtain a university degree in mechanical engineering, aerospace engineering or computer science, alongside with a strong background and interest in fluid dynamics and physics. The candidate will actively be involved into new powertrain development projects, mainly focused on cylinder head design (port design), problem solving activities and component definition.

Your tasks

- Project and activity planning and organisation
- CAD modelling (freeform)
- Design optimization
- Computational fluid dynamic modelling (Starccm+ or openfoam)
- Design of lab experiments and test fixtures
- Measurement of flow properties in laboratory experiments
- Part quality checks with 3D-scanning
- Result reporting and presentation to clients

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Your profile

- About to complete a Bachelor's/Master's degree in mechanical engineering, aerospace engineering, or computer science, or a fresh graduate in these subjects
- Experience in component design (CAD modelling)
- Experience in Computational Fluid Dynamics
- Experience with scripting languages (Python or MATLAB) and automation
- Experience with LabView
- Ability to learn new skills and adapt to customer application needs
- Excellent communication, organization, time management and presentation skills
- Experience within the automotive industry, ideally focused on combustion engines
- Familiarity with manufacturing processes including casting and metal-cutting process
- Strong personality with integrity, honesty, accountability and trust
- Good knowledge of both English and German (level B2 or higher)

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?

For further information, please contact Mr. Strässle – Tel. +41 71 44 77 286.

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

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