



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 are currently looking to fill the position as an

## Electrified Powertrain Simulation Engineer (f/m/d)

### Primary Function:

The resource will be in charge of 1D and 0D performance simulations of batteries, fuel cell systems up to xEV vehicle systems evaluation and mission energy consumption/emissions prediction.

### Essential Responsibilities:

- Build 1D or 0D models to capture the physics of components or complex systems
- Run simulations to predict energy balance of xEV vehicles over drive cycles, performance of fuel cells systems, performance and aging of batteries
- Correlate simulations with experimental data. Release of technical report with detailed results and recommendations.

### Requirements:

- Master's degree in Mechanical engineering or similar
- Experience with both, GTSuite and Simulink, is essential for this role
- At least 2 years of working experience in the automotive industry or similar fields
- Business fluency in English (spoken and written level C1 or higher); further languages, especially in German and/or Italian, would be considered an asset
- Permission to work in Switzerland (not needed if you hold a Swiss, EU-26 or EFTA passport!)

We are searching for enthusiastic people who have the courage to create, fail, learn, innovate, and ultimately, people who like to embrace new challenges on the road to a more sustainable future. If you feel driven by the same principles and possess these characteristics, come and discover our world.

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



### **Life at FPT/IVECO in Arbon**

Arbon is located in North-Eastern Switzerland on the shores of Lake Constance 30 minutes from the German and Austrian borders offering an outstanding quality of living, with our site being based right at the lakefront. Lunchbreak by the water or meeting the family after work in the park? That will take you literally just seconds. Are you more into skiing, hiking or biking than watersports? The Swiss and Austrian mountains are at our doorstep. You prefer settling in a city over country life? St.Gallen, Eastern Switzerland's cultural and economic center with its world-renowned university is a mere 15 minutes' drive from Arbon (yes, we provide free parking) with distinctively more affordable costs of living than most of the other larger cities in Switzerland.

As Swissmem members, our working conditions are regulated by the **tariff of the Swiss machinery and metal industry**. We work a 40 hour week with flexible working hours, offer between 25 and 30 days of holidays per year depending on your age grade (plus another week off as a compensation for 10 minutes extra per day, so in effect **30 to 35 days of holidays for a 40.83 hours week**), **home office** opportunities of **up to 12 days per month** (depending on the position) as well as an open-minded corporate culture with international and diverse teams, flat hierarchies and informal culture based on mutual respect. And, most importantly, we are providing a state of the art environment for engineers in the automotive industry that is second to none within Switzerland and offers various career paths for all interests.

### **Interested?**

Please send your application to [recruitment.arbon@ivecogroup.com](mailto:recruitment.arbon@ivecogroup.com)

FPT Motorenforschung AG, Schlossgasse 2, CH-9320 Arbon, Tel. +41 71 44 77 477,  
[www.fpt-motorenforschung.ch](http://www.fpt-motorenforschung.ch)