



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 29 manufacturing plants and 31 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:

ePowertrain Functional Safety Engineer

As a member of the System Development Team in the Electrified Powertrain Engineering division of FPT Industrial – IVECO Group, you will be part of a highly skilled team driven to design and engineer best-in-class electrical systems and architectures for electrified powertrain product portfolio. You will be involved with the development of the current and future requirements for Functional Safety (ISO 26262). This will include ePowertrain system, electric machines, power electronics, battery and fuel cell systems and their controls. You will work in a collaborative team environment.

You will be responsible from performing functional safety analyses and executing related tasks for FPT Industrial ePowertrain component and systems. This includes performing component, system and vehicle level hardware and software analysis to identify potential safety impacts, developing safety requirements and supporting other relevant activities. Some of the specific activities include development of Automotive Safety Integrity Level (ASIL) for features via hazard analysis, safety plans, safety cases, and other ISO 26262 work products. In addition, the engineer will interface with other vehicle teams and suppliers. The candidate must have the desire and aptitude to learn new processes and technologies.

Your tasks

- Perform, support and/or manage the execution of System Safety tasks
- Develop safety concept and safety case
- Develop safety requirements and traceability
- Support validation and verification team in DVP development and execution



- Participate in design discussions to ensure that the safety requirements are implemented and adequate
- Support design activities
- Support both in house and supplier lead development
- Support product development as member of cross functional team
- Review supplier functional safety deliverables to assure FPT Industrial requirements are supported
- Participate or Lead safety reviews of functional safety process work products
- Coach engineering teams on functional safety process
- Actively participate in functional safety workgroups, as assigned, to support development or improvement in processes

Your profile

- You have a university degree in electrical, electronic or mechatronic engineering, few years of experience in a similar role
- 2 years of experience related to this position is required; 5years of experience is a plus
- Must have experience in the functional safety development process according to ISO 26262
- Knowledge of the ISO26262 entire lifecycle
- Knowledge of ISO 26262 and VDA industry standards is preferred as well as related safety standards such as IEC 61508, ISO25119- ISO13849 - ISO15998
- Effective project management, organizational, and teamwork skills are required
- Knowledge and ability to utilize tools related to safety development is required: FMEA and FTA, requirements management, planning, task/issue tracking, etc.)
- Demonstrated ability in interpreting and assessing complex vehicle systems and architectures in regard to safety is required
- The ability to interpret Matlab/Simulink models and C/C++ is preferred
- Skilled in leading and contributing to DFMEA, FTA, DFMEDA and similar practices
- Prior experience on ePowertrain high voltage component and system functional safety is a plus
- Strong vehicle electronic systems knowledge. Experience in automotive industry.
- Professional communication skills to be able to present and interact with cross functional engineering teams
- You have good English skills (spoken and written), German and Italian skills would be an asset
- You are a highly motivated self-starter and team-player with very good communication skills

Interested?

Please apply through LinkedIn:

<https://www.linkedin.com/jobs/search/?currentJobId=2879638470&keywords=iveco%20group>

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