



**CNH Industrial** CNH Industrial is a global leader in the capital goods sector that, through its various businesses, designs, produces and sells agricultural and construction equipment, trucks, commercial vehicles, buses and specialty vehicles, in addition to a broad portfolio of powertrain applications. Across its 12 brands, 64 manufacturing plants, 49 research and development centers and a workforce of more than 70'000 people, CNH Industrial is present in 180 countries giving it a unique competitive position.

**FPT Motorenforschung AG** in Arbon has more than 250 highly qualified employees working with commitment and acknowledged success. Our activities: all aspects of engine research and development, particularly diesel engines with direct injection and after-treatment systems for road vehicles and off-road applications. Investing in the future and providing new jobs, we are looking for a

## **Development Engineer (f/m) for Simulation, Modelling and Controls of Heavy-Duty Propulsion Systems**

### **Your tasks**

- Development of concepts for model-based controls of heavy-duty propulsion systems
- Modelling of heavy-duty propulsion systems for the usage in SiL/HiL/MiL-environments
- Development of model-based calibration strategies for existing and new PCU/ECU algorithms
- Management (planning, coordination and execution) of measurement campaigns at the propulsion test benches and vehicles

### **Your profile**

- Graduate engineer, preferably PhD, in the field of mechanical engineering with profound knowledge in the fields of model-based controls, modelling, simulation, and optimisation
- Experience with modelling and controls of propulsion systems (combustion engines, aftertreatment systems, electrical propulsion systems, fuel cells)
- Professional programming skills, especially with Matlab/Simulink. Experience with ID-simulation tools such as GT-Power or Axisuite is beneficial
- You have very good English skills (spoken and written), some German and Italian skills desirable
- You are a highly motivated self-starter and team-player with very good communication skills

### **Interested?**

For further information please contact our team leader Dr. O. Chinellato – Tel. 071 44 77 319. Please send your application to Human Resources: [recruitment.arbon@cnhind.com](mailto:recruitment.arbon@cnhind.com)

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Welcome to CNH Industrial.