



Model-Based Embedded Software Developer

Workplace: 418 32, Gothenburg

Apply online!

What to expect:

- Develop and maintain **model-based control algorithms** using **MATLAB/Simulink** for **in-vehicle embedded systems**
- Generate and validate **auto-generated code** for integration into **ECUs**
- Support **model integration, testing, and calibration** in **SIL, MIL, and HIL environments**
- Collaborate with **software, hardware, and system engineering** teams to ensure **model accuracy** and functionality
- Contribute to **documentation, traceability, and compliance** with **ASPICE** and **ISO 26262** processes

What you bring along:

- Experience in **model-based development** with **MATLAB/Simulink** and **Stateflow**
- Knowledge of **auto-code generation** and **verification workflows**
- Familiarity with **automotive communication protocols (CAN, LIN, Ethernet)** and **calibration tools (INCA, CANape)**
- Understanding of **control systems, embedded C/C++ basics, and real-time validation methods**
- **Fluent English**, analytical thinking, and **detail-oriented approach**
- This role requires **on-site collaboration** at our **Gothenburg** location and candidates **must hold valid work authorization in Sweden.**

With more than **54 locations throughout Europe**, the **Bertrandt Group** has been providing **engineering and development solutions** for the international **automotive and aerospace industries** since **1974**. More than **12,000 employees** use their **know-how** and **innovative strength** every day to support our customers – **leading manufacturers and OEMs** – with integrated solutions in **management, design, and industrialization**.

Bertrandt is now expanding into Sweden, establishing a **strong and future-oriented presence in Gothenburg**. Our activities cover a **spectrum of expertise** from **electrical, electronics, and software development** to **design engineering, project management, quality, industrialization, and validation**, all driven by **innovation** and a **passion for technology**.

What we offer:



Flexible working hours



Training programs



Employee events



Attractive compensation



Team-oriented work



Contact:

Denisa Virag

Tel.:

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