Control Development Engineer

募集職種

採用企業名
ザマ・ジャパン株式会社

支社・支店
ZAMA kabushiki Kaisha

求人ID
1571394

部署名
Innovation / Pre-development

業種
機械

会社の種類
中小企業 (従業員300名以下) - 外資系企業

外国人の割合
外国人 少数

雇用形態
正社員

勤務地
岩手県, 八幡平市

最寄駅
東北線4、 好摩駅

給与
500万円 ~ 800万円

勤務時間
フレックスタイム制 コアタイム10:00-15:00

休日・休暇
年間休日124日

更新日
2026年02月04日 15:00

応募必要条件

職務経験
6年以上

キャリアレベル
中途経験者レベル

英語レベル
ビジネス会話レベル (英語使用比率: 75%程度)

日本語レベル
ビジネス会話レベル

その他言語
中国語 ： 広東語

最終学歴
大学卒 ： 学士号

現在のビザ
日本での就労許可は必要ありません

募集要項

Job Summary

As a **Control Development Engineer**, you will be responsible for developing and validating control systems for fuel management systems and electric motor products. You will collaborate closely with customers and application engineering teams to understand requirements and deliver robust solutions. You will take technical ownership of control functions, guide design decisions, and support the team from concept to production.

Responsibilities

- Lead the design and development of control algorithms for gasoline fuel injection systems and electric motor drives.
- Define control concepts, system requirements, and control architecture.
- Take technical ownership of control functions from concept through production.
- Plan and lead calibration, tuning, and optimization activities.
- Lead MIL, SIL, and HIL testing and support system integration on ECUs and equipment.
- Analyze test data and drive performance, efficiency, and robustness improvements.
- Support root cause analysis and technical problem solving.
- Contribute to technical documentation and development standards.
- Execute tasks in alignment with established engineering processes.
- Implement departmental and management decisions and objectives.
- Report on project progress and maintain schedules.

スキル・資格

Key Competencies/Skills

- Strong expertise in control theory and practical control system design
- Extensive experience with MATLAB / Simulink / Simscape is a must
- Strong experience with dSPACE tools
- Advanced experience with model-based development
- Strong programming skills in C / C++, Python for data analysis, and others
- Proven experience with MIL / SIL / HIL testing and validation
- Strong knowledge of CAN / CAN FD, LIN, and XCP communication
- Ability to analyze complex data sets and drive design decisions
- Good to have knowledge of internal combustion engines, fuel supply systems and electric motor control
- Effective communicator, able to collaborate across departments, external partners, and customers.
- Strong self-management and organizational skills.

Qualifications and Experience

General

- Bachelor's or Master's degree in Control Engineering, Electrical Engineering, Mechanical Engineering, or a related field.
- Minimum of 5 years of experience in control system development.
- Experience leading control development activities and projects.
- Comfortable working hands-on with hardware, test benches, and prototype equipment.
- Ability to work independently and communicate complex findings clearly.
- Experience collaborating with international teams and operating on a global scale.
- Self-motivated learner, open to exploring new domains.
- Strong ideation skills, with the ability to distil concepts into clear product or service propositions.
- Willingness to travel internationally for business meetings and project collaboration.
- Proficient in algorithmic, analytical, and organized approaches to problem-solving.
- Strong grasp of the physical principles underlying mechanical and electromechanical systems.

会社説明