Engine Calibration Engineer (H)

募集職種

人材紹介会社
IZUMI NETWORK

求人ID
1615905

業種
自動車・自動車部品

雇用形態
正社員

勤務地
東京都 23区

給与
700万円 ~ 800万円

更新日
2026年11月13日 06:00

応募必要条件

職務経験
3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

日本語レベル
ビジネス会話レベル

最終学歴
大学卒： 学士号

現在のビザ
日本での就労許可が必要です

募集要項

Key Responsibilities

- Develop and optimize engine calibration parameters to achieve performance, emissions, fuel economy, and durability targets.
- Manage and refine calibration settings across approximately 10,000 control parameters.
- Create test plans and evaluation procedures for engine performance testing conducted by test operators.
- Analyze engine test results and optimize calibration settings using data from: Desktop analysis and simulation environments, Hardware-in-the-Loop (HIL) and test bench environments, Chassis dynamometer testing, Vehicle validation activities
- Perform calibration activities using MATLAB/Simulink and support validation on vehicles.
- Collaborate with cross-functional teams to evaluate and improve engine control strategies, including Fuel injection systems, Ignition systems, Air management systems, Exhaust and aftertreatment systems
- Propose and evaluate engine hardware improvements, such as: Cylinder and piston design optimization, Fuel injector specification enhancements, other combustion and air system improvements
- Support calibration development for multiple engine variants and vehicle platforms.
- Participate in technical discussions and communicate findings, recommendations, and development progress to stakeholders.

スキル・資格

Required Qualifications

- 5+ yrs experience in engine calibration (gasoline engine calibration experience is acceptable).

- Strong understanding of engine control logic and calibration fundamentals, including Fuel injection control, Ignition control, Air management systems, Exhaust and emissions control systems
- Hands-on experience with MATLAB/Simulink.
- Strong analytical skills with the ability to interpret complex performance data and calibration maps.
- Business level Japanese language proficiency (JLPT N3+)
- Ability to prepare technical reports and communicate through email in Japanese.
- Strong teamwork, communication skills, and a positive, proactive mindset.

Preferred Qualifications

- Knowledge of diesel engine systems and combustion technologies.
- Experience with engine control strategy development.
- Hands-on experience with engine calibration tools such as: ATI Vision, ETAS INCA, CANalyzer, MATLAB
- Experience with simulation and modeling tools such as: GT-Power, AVL CRUISE-M
- Familiarity with hardware-in-the-loop (HIL), test bench, chassis dynamometer, and vehicle testing environments.

会社説明