

Control System Application Engineer

Main Responsibilities & Tasks:

Executing and supporting control system designs. These designs will be suitable for proof-of-concept, prototyping and volume production applications. Applications may include base electric and hybrid electric vehicle, powertrain, drivetrain, advanced chassis, and emissions controls.

Day-to-day co-ordination with other design team members, including electronic hardware, mechanical design and software development.

Performing design and system testing activities including requirements capture and analysis, specification writing, system modeling and analysis, calibration, hazard analysis, DFMEA, software development and debugging, system validation and troubleshooting, engineering report writing, and technical documentation.

Hands-on testing on vehicle and in engine / vehicle dynamometer.

Ensuring that design and implement

Qualifications:

BS in Engineering and 5 years experience in related technical field

MS in Engineering and minimum 2 years of experience in electronic product development, software development, vehicle level development of Powertrain / Electric / Hybrid Electric systems are preferred.

Strong analytical and problem solving skills, hands-on troubleshooting experience

Understanding of electronic controllers, basic wiring and ECU troubleshooting

Must have knowledge of engine operation, main components and functions

Experience with control system development ,and on board diagnostics tools

Demonstrated software development tools and methods including Simulink, ATI, ETAS, LabVIEW

Experience with Mathworks Simulink / Stateflow and C programming