

Electrical Systems Engineer

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Company: AVL Research & Engineering

Location: İstanbul

Category: other-general

YOUR RESPONSIBILITIES:

Design of electrified powertrain components and E/E architecture

Participate in D-FMEA and provide input to Bill of Material (BOM)

Definition of test plans and evaluation of test results

Perform electromagnetic compatibility analysis of powertrain systems

Automotive requirements engineering

YOUR PROFILE:

Minimum Bachelors degree in Electrical / Electronics / Mechatronics or related technical field is preferred.

Fluent speaking and excellent writing skills in English.

Willingness to travel abroad

No military service obligations (military service completed)

Good understanding of, and experience in, at least three of the following topics:

Electrical vehicle/powertrain system and components (e-machines, hybrid systems, batteries & control systems, etc)

Automotive requirements engineering

Electromagnetic compatibility analysis

Electronic hardware design

Battery management systems, power distribution units, inverters, electronic control units, sensors, actuators, test plans, FMEA

ABOUT AVL RESEARCH AND ENGINEERING TURKEY

Established in 2008, AVL Research and Engineering is an engineering center of AVL with two R&D centers in Istanbul-Türkiye that develops mobility solutions with intelligent and advanced technologies, runs national and international R&D projects and serves customers from the Turkish and the global automotive industry.

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