

JOB DESCRIPTION

Job Title	Lead Engineer – Electromagnetic Systems	Reports to	Technical Director
Department	Design	Date	Feb 2018
Direct Reports	Engineer – Electromagnetic Systems		

Purpose of Role:

This position will lead the design and development of a series of electromagnetic drivetrain technologies for electric vehicle systems across a wide range of sectors including passenger car, aerospace, commercial vehicle, off-highway and agricultural vehicles.

Responsibilities:

Lead electromagnetic design activities across supplier, process and customer base

Key Activities:

1. Design and simulation of new electromagnetic drivetrain technologies including motor drive integration
2. Lead Collaborative project definition
3. Lead Design for manufacture review of new and existing designs
4. Lead Prototype and production build programmes
5. Approve Drawing issue and Engineering Change Requests
6. Undertake any other duties of which the knowledge, skills and experience required fall within a post holder's expected capability and commensurate with the post holder's position in the company.

Education/Qualifications Required:

PhD or equivalent and at least 3 years of experience in electromagnetic design

Experience Required:

1. Experience working with academic and industrial partners in multi-disciplinary projects and delivering on time and on budget to a demonstrable high standard
2. Strong ideas development skills with the ability to develop and propose ideas and get engagement from both industry and academia
3. Strong presentation and communication skills with experience of conference presentation

Skills & Attributes Required:

- Strong analytical skills with an eye for detail
- Focused, diligent and accurate in specification definition and reporting
- Able to work in cross-business teams and build a rapport with individuals from a variety of backgrounds.
- Adaptable style with the ability to mentor and support younger members of the team
- Capable of working in partnership with other academic and commercial organisations
- Financial and business acumen
- Excellent written and verbal communication skills
- Able to work to tight deadlines in a high-pressure environment

If you are interested in understanding more about this role, or would like to apply, then please contact, or send your CV and a covering letter to, mike.woodcock@advancedelectricmachines.com and we will get back to you very shortly