



Functional Safety Engineer – Arcola Energy

Job Description

Development of safety cases for Arcola's automotive projects.

Purpose

Responsible for safety engineering and ensuring the development of the control systems for Arcola's automotive projects complies with the requirements of international functional safety standards.

Outline

- Report to Functional Safety Manager.
- Supporting quality and project plans.
- Performing the safety activities (Hazard identification, FTA, FMEA)
- Development of functional safety technical documentation (Item Definition, HARA, FSC, TSC, Hardware and Software Safety Requirements).
- Working in closely with Arcola's systems engineers to ensure safety requirements are achieved and verified.
- Liaising with customers to ensure requirements on the host vehicles are understood and met
- Work with suppliers to ensure components meet the ASIL requirements and reliability targets
- Preparation of Functional Safety management documentation (DIA, Safety Plan, Confirmation and Verification Reviews) in co-operation with the Functional Safety Manager.
- Specifying verification of safety requirements and tracking verification work.
- Preparation of Safety Case documentation.
- Knowledge and experience of relevant international standards.
- Working with Quality and Compliance Manager to ensure designs meet codes, standards and regulations.
- Supporting other Arcola Energy activities where required.
- The position is based at Arcola's office in London but some remote work at customer sites will be required.

Person Specification

- Degree in engineering.
- Understanding of electrical systems (batteries, electric machines, inverters, etc).
- Willingness to work cross-functionally in the Arcola team.
- Good understanding and working experience of Systems Engineering.
- Relevant experience in automotive safety engineering.

Terms and Conditions

Salary:	£35-40k dependent on experience.
Hours:	40 hrs/week. 9.30am-6pm Monday to Friday with half-hour lunch break. Occasional evening and weekend working (TOIL system in operation).
Holidays:	28 days annual leave, including public holidays.
Probation period:	3 months.
Access:	Arcola Energy is wheelchair accessible throughout.
Benefits:	Free tickets to Arcola Theatre shows (subject to availability). Arcola staff discount on food and drink in café/bar.