

Electrical Design Engineer

ASTECH PROJECTS is an award winning UK engineering company developing custom robotics and automation solutions for a global blue chip customer base. We are in the business of designing and supplying automation to laboratory and advanced manufacturing industries across the world. We believe automation is an enabling tool that can empower anyone, and we are striving to become a leading global technology provider for problems that can be addressed in this way.

We are seeking to recruit a highly motivated Electrical Design Engineer to work with multi-disciplined team designing solutions for technically complex multi-disciplined (M&E and software) projects.

The role will involve specifying equipment, production of schematic drawings, single line diagrams, panel sizing and component layouts, inspection and electrical testing of systems and assisting with commissioning.

Essential Requirements

- Qualification: HNC/HND/Degree in electronic/electrical engineering or equivalent subject. Lower qualifications to be supplemented with greater relevant design experience.
- Excellent CE@I design capabilities:
 - Circuit breaker and Cable type sizing specification
 - Remote I/O
 - Servo drive systems
 - Robot articulated arm systems
 - Industrial communication networks
 - Sensors
 - Instrumentation
 - Safety circuit design
 - Control panel layouts
- Commissioning experience of automated systems drives and controls
- Understanding of machinery regulations.
- Thorough understanding of BS7671 IEE 18th Edition Wiring Regs
- Good Knowledge of designing Safety related control systems to EN ISO 13849
- Ability to work well under pressure to meet deadlines
- Able to Develop technical solutions to meet project and customer expectations
- Flexible working methods
- Willing to travel in UK, Europe and USA

- AutoCAD Electrical 2016

Desirable Requirements

- Knowledge and use of SISTEMA
- Knowledge of Intrinsically Safe circuit design
- Ability to configure complex servo drive systems.
- Preparing functional design / technical specifications.
- Client facing skills
- Sales support to generate proposal cost estimates.

Salary negotiable, pension, and private medical cover.