Kinesys Job Description

Electronics Design Engineer

Who we are

We're at the top of our game. Serving the fast-moving entertainment industry, we design, manufacture, and sell premium products that allow artists to express their creativity and push boundaries through the use of eye-catching scenic motion. We're part of the TAIT group, bringing us serious scale across the industry and strong financial backing.

Kinesys products have been used by some of the world's most successful artists including U2, Take That, One Direction, Mariah Carey…the list goes on. It's also used in TV shows, films, venues and at corporate events across six continents. We have a reputation for quality, design and service that is second to none.

What you'll be doing

Our customers come to us because we have a reputation for continuously challenging the industry to do things better, with innovation and excellence at our core. You'll be a key part of the team that makes this happen and helps us to keep pushing the boundaries.

You'll be responsible for the electronic aspects of designing, developing, prototyping and documenting Kinesys control products.

How you'll do it

- You'll be responsible for electronic product design, schematic capture, design calculations, CAD modelling, detail drawings and multilayer PCB design
- You'll build accurate and comprehensive Bills of Materials for use by the purchasing and production teams
- You'll accurately document designs for inclusion in our Technical Files to support CE marking or other regulatory requirements
- You'll use our in-house EMC test equipment to pre-qualify products and work with external laboratories to ensure EMC approval
- You'll work with different engineering disciplines to assist in new product design and development, drawing on your experience and learning from others
- You'll take the lead with engineering changes, obsolescence management, and design updates for legacy products
- You'll help create and maintain manufacturing information, test specifications and production build packages
- You'll liaise with suppliers to solve manufacturing issues and to value engineer designs
- You'll be 'hands-on' with prototype assembly (SMT & conventional PCBs), wiring and testing of your design work and the final product

- You'll fault find or rework PCB assemblies to support production as needed

Who you are

- You've got an excellence mindset and make sure it's right first time. You've got the lowest error rate in your team
- You're a fast learner and ask the right questions to extract the information you need
- You like structure and process and are a natural born problem-solver
- You thrive on innovating, improving and asking 'what if…'
- You take part and join in. You understand that you have a voice and enjoy collaborating with others to make things happen
- You're self-motivated and get a buzz from taking ownership and delivering what's needed, on-time
- You like to challenge yourself, honing your craft every day.

Your experience and knowledge

- You have a strong background in digital and analogue electronics design including embedded control experience (ARM etc.), and high-speed engineering and Technical Recruitment Specialists design (PCI bus, Gigabit Ethernet, LVDS displays)
- You're highly proficient with Altium Designer (we use the latest version 21) for schematic capture and multilayer PCB design
- Some practical electrical design experience involving 3-phase power, induction and servo motors, variable speed drives, PLCs and associated switchgear
- You're comfortable with 3D design in Altium, and working with the overall 3D product design with our mechanical engineers, using Inventor
- You might have a degree in Electrical, Electronics or Systems Engineering, equally you may have gained a wealth of practical experience and learning from your mistakes

If you're familiar with any of the following then the stars have aligned, but we'd still love to hear from you if you haven't;

- Experience with automation and/or motion control projects is advantageous
- Working knowledge of applicable electrical safety and EMC standards and their practical application to meet relevant EU Directives (LVD, MD, EMC)
- Knowledge of IPC standards for manufacture of electrical/electronic products (PCB assembly, soldering, crimping, assembly workmanship etc.)

What you'll get here

- You'll get to be part of a company with technology at its core, working with brilliant people. You'll be inspired by them, and you'll learn fast

- You'll work on interesting projects and see your work in action everywhere from the gigs you go to, to the TV you watch
- We'll invest in you. Want to learn a new skill? If it'll benefit the business and we can't find someone in the team to teach you, we'll send you to an expert
- You'll get opportunities. If you've proved your metal and want to get involved in new things, we'll give you opportunities to do that
- You'll get 23 days holiday, increasing by one day per year of service to 25days (+ Bank Holidays).
- In addition to your holiday allowance, you'll also get Christmas Eve and New Year's off every year, without fail
- You'll get flexibility. Everyone has their own commitments and demands on their time outside work. Tell us when you want to work your 40 hours and we'll do our best to accommodate it
- You'll get an annual £200 Entertainment Fund to spend on concerts, theatre, or cinema, as well as the usual Childcare Vouchers, Cycle to Work scheme and contributory pension
- You'll get access to our onsite gym and free parking