



KINETIC LIGHTS is the leading specialist in kinetic lighting.

For more than 10 years KINETIC LIGHTS has engineered and produced a wide range of steel wire and powered cable DMX WINCHES for various art, interior, stage, trade and event lifting and lighting applications.

The main use of our high precision hoists is the synchronized spatial animation of large arrays of tethered LED LIGHTING ELEMENTS.

Our KINETIC LIGHTS products have received international recognition and awards including Cannes Lions, iF Design Awards, Red Dot Award.



Electronics Engineer

We are looking for a sharp mind with an eye for aesthetics to develop our kinetic winch and lighting systems.

YOUR TASKS:

- * Defining technical specifications and hardware architecture of products
- * Researching electronic components adapted to the application
- * Creating electronic schematics (in Altium Designer) respecting cost, EMC and safety requirements
- * Verifying symbols and footprints of the components and creating the BOM
- * Supervising the production of electronic board prototypes and serial productions
- * Debugging and validation of boards and cables
- * Interface with the software development team
- * Final integration in the product (incl. documentation and hand-over to the user)

WE OFFER:

- * Work in an interdisciplinary, agile team with in-house skills in product development, industrial design, interface design, construction and prototyping
- * Crafting in a modern prototype workshop
- * Scope for versatile development in your work
- * Close cooperation with management
- * Potential of advancement to team leadership for the electronics / mechatronics department
- * Unusual and challenging international projects in the field of art, architecture, theater and commercial event fields
- * Employee profit sharing
- * Team events, delicious coffee and fun on the pinball machine

YOUR QUALITIES & SKILLS:

- * University degree in electronic engineering, mechatronics or comparable qualification
- * 2 + years of experience in the field of electronics development for products
- * In-depth knowledge of digital and analogue electronic architectures is mandatory (processors, operational amplifiers, filters, closed loop systems etc.)
- * Knowledge of power supply types including LDO, Buck, boost etc.
- * Knowledge of processor types including DsPIC, ATXMA or STM32
- * Experience with circuits using discrete components (MOSFET, bipolar transistors, diodes etc.)
- * Understanding of communication buses (SPI, RS485, I2C etc.)
- * Knowledge and experience in cable manufacturing, soldering, mounting and wiring of electronic components and assemblies
- * Experience with mechanics / dynamics is beneficial
- * Experience in software development for microcontrollers (i.e. C / C# / MPLAB) is beneficial
- * Experience with Ethernet, ArtNet, DMX, TSN or similar control protocols is an advantage
- * High degree of initiative and system thinking
- * Good German and/or English language skills

HOW TO APPLY:

We look forward to receiving your application including CV, motivation letter and salary expectations by e-mail.

CONTACT:

jobs@kinetic-lights.com

Information on our products and services:

www.kinetic-lights.com

www.whitevoid.com