KINETIC LIGHTS

KINETIC LIGHTS is the leading specialist in kinetic lighting.

For more than 10 years KINETIC LIGHTS engineers and produces a wide range of steel wire and powered cable DMX WINCHES for various art, interior, stage, show 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.

Firmware Developer (m/w)

For our kinetic winch and lightning systems we are looking for a smart mind with passion & aesthetics!

You bring a clear affinity to programming and have a good understanding for mechanics, optics and electronics? Then you are right with us!

YOUR TASKS:

* Collaboration in the development of complex assemblies in the field of kinetics and light with a focus on firmware development for winches, motor and lighting controls
* Accompanying new products from concept to serial production
* System design and design of complex embedded systems, mainly for mixed-signal circuits for motor and lighting control systems
* Planning and support of electromechanical interfaces throughout the product life cycle
* Programming of microprocessors (DSPIC, STM32F)
* Creating technical solutions and implementation of connections via interfaces to computers and control software
* Construction, commissioning and testing of prototypes associated with documentation
* Design of test and calibration equipment for production and maintenance
* Install and test hardware and software components and participate in production

WE OFFER:

* Perspectively team leadership for the electronics / mechatronics department
* 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
* Unusual and challenging international projects in the field of art, architecture, show and event
* Scope for versatile development in your work
* Close cooperation with the management
* Employee profit sharing
* Team events, delicious coffee and fun on the pinball machine

YOUR QUALITIES & SKILLS:

* Successfully completed engineering studies with a specialization in electrical engineering, mechatronics or comparable qualification
* Relevant professional experience (at least 2 years) in the field of soft- and / or firmware development
* Basic understanding of mechanics / dynamics of advantage
* Experience in light emitting diode (LED) technology and electric motors advantageous
* Experience in analogue and digital signal processing as well as circuit technology
* Experience EMC-compliant design of HDI circuit boards
* Experience in software development in microcontroller (C / C # / MPLAB)
* Knowledge and experience in cable manufacturing, soldering, mounting and wiring of electronic components and assemblies
* Experience with Ethernet, ArtNet, DMX, TSN or similar control protocols from the event sector is an advantage
* In-depth knowledge of Altium Designer, MS Office
* Communication and team skills
* High degree of initiative and system thinking
* Good German and English knowledge in spoken and written
* Other languages are an advantage
* Driver's license class B is an advantage

HOW TO APPLY:

If we have aroused your interest in this exciting task, send us your digital application with a CV and photo stating your salary expectations by e-mail.

CONTACT:

jobs@kinetic-lights.com

Information on our products and services:

www.kinetic-lights.com
www.whitevoid.com