WHITEvoid operates at the horizon where art, design and technology meet.

The studio is comprised of specialists in interaction, media and product design, architecture, mechanical and electronic engineering.

We create interactive installations for museums, exhibitions and trade fairs, festivals, concerts, theatre productions and clubs.

Our house brand KINETIC LIGHTS is the leading specialist in kinetic lighting. For more than ten years our designs and products have earned awards and worldwide recognition for delivering professionally engineered lighting equipment.

Electronics Engineer (m/w/d)
fulltime

YOUR TASKS:

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

* 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
* a challenging position
* high level of self-management and organizational flexibility
* extraordinary and challenging international projects in the field of art, architecture, show and event
* highly motivated international team
* employee profit sharing
* Wild Card
* Team events, BBQ, delicious coffee and fun at the pinball machine

YOU BRING:

* University degree in electronic engineering, mechatronics or comparable qualification
* 4 + 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@whitevoid.com

Information on our products and services:

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