

Electronic Hardware Design Engineer

CISSOID is a leader in power semiconductor solutions, delivering multi-phase, high-current power switching modules, motor control systems and software, across a wide range of power requirements. Our solutions range from system-on-chip to complete Silicon Carbide (SiC) and Gallium Nitride (GaN) based inverter reference designs, supporting an ever-growing range of e-mobility and high-power applications. Our leadership and expertise in extreme high-temperature semiconductors, high-reliability solutions, and packaging allows us to address the ever-increasing power density challenges across a diverse range of markets.

Join the crew of Cissoid, a company with strong technology leadership in its market, and participate in the development of electronic boards (PCB) in an enthusiastic team. For the development of new high-end Gate Driver Boards for Silicon Carbide (SiC) and Gallium Nitride (GaN) power transistors, CISSOID is hiring **Electronic Hardware Engineers**:

Duties

- Definition, design, verification, and documentation for PCB development.
- Determines architecture partitioning, schematic design, parts selection, verification and system simulation.
- Evaluates and takes part in all aspects of the process flow from high-level design to schematic capture, layout, power and size estimations, assembly and reliability.
- Defines test and qualification strategy, identifies and recommends equipment's and software to conduct experimental tests and evaluates results.
- Accountability for complete product verification and production test support.
- Takes part in the design, layout and test operations.
- May provide technical consulting support to design team, marketing team and customers concerning board and system design issues.
- May have regular contacts with customer in the frame of power converter design.

Experience

- Electrical/Electronic Engineer with 5+ years demonstrated experience in the successful design of electronic hardware and PCB's with exposure to Power Electronics design issues (e.g. EMC, magnetic components, thermal and mechanical aspects...)
- Must possess expertise in PCB technologies with a comprehensive understanding of the complete life-cycle process (cradle to grave) associated with HW products.
- Hands-on experience in the design and test of gate drivers, DC-DC converters, power converters is a plus though not mandatory.
- Knowledge and ability to use the PCB design tools environment (e.g. Altium)

Skills

- Excellent problem solving and analytical skills.
- Demonstrated ability to perform electronic hardware product development.
- Adhering to schedule, cost and quality objectives is of real importance to you.
- Ability to work in a multithreading, dynamic and challenging environment.
- You are concerned about innovation and efficiency leading to improving your operations.
- You are a self motivated professional able to work alone or as part of a multicultural team
- You are able to translate general instructions into detailed implementation and take your responsibilities.
- Fluent in English, both written and spoken

Offer

- CISSOID offers a challenging job with an attractive salary including bonus based on company objectives and compensation benefits.
- CISSOID offers a multicultural work environment. Candidates with multiple competencies liking multi-tasking will find working at CISSOID a very enriching experience.
- The job is also open to freelance engineers with the possibility to partly work remotely.

Location

- This position will be located in Mont-Saint-Guibert, Belgium (30 km south of Brussels).

Contact

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