

## ELECTRONIC CIRCUIT DESIGN ENGINEER

**CYSCA TECHNOLOGIES** is an engineering firm that offers several services including electronic circuit design. Our team is made up of more than 60 professionals dedicated to developing projects and designing technological products or mobile applications

Our fields of application are as diverse as transportation, packaging, lighting, mining, personal safety, refrigeration, aerospace, robotics and artificial intelligence.

To cope with the growth of our business, we are currently looking for an experimented electronic circuit design engineer to increase our team capabilities in analog and digital high-speed circuit design.

### Looking for :

- Strong knowledge of the electronic components such as passives, discrete and complex semiconductors such as MOSFET, MCU, DDR, FPGA, etc...
- Strong knowledge of the electrical, electronic and magnetic phenomena.
- Experience with LED and photodiode is of interest.
- Multiple experiences with analog, digital, mixed signal electronic designs, and electronic power supply designs.
- Capable of developing very clean and functional VHDL code for FPGA as well as test benches.
- Knowledge of Verilog is also of interest.
- Strong knowledge of high speed PCB layout constraints.
- Strong understanding of the electrical phenomenon related to PCB performances.
- Knowledge of embedding software an asset.
- Strong system analysis and architecting skills.
- Experience in rail, aerospace or military will be an asset.

### You will:

- Participate in the definition, specification, costing of **projects**.
- Design electronic circuits for various applications as required from time to time by our multiple customers in various domains.

- Participate in circuit debugging.

**Qualifications:**

- Bachelor's degree in electrical, electronic or equivalent experience
  - At least five (5) years in electronic circuit design.
  - Experience with Altium Designer, Cadence and Mentor.
  - Bilinguisme (French and English)
  - Available to work in Repentigny
- Regular full-time employment with flexible hours. Competitive benefits and salary.

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