

## Job Description

Your mission will be to design and maintain a variety of electronic circuits for medical radiology equipment ranging from generators for medical imaging to operator consoles.

You will report to the Hardware manager and you will have the opportunity to work with a team of passionate and multidisciplinary designers.

You will define innovative concepts, design leading-edge circuits and could apply for patents. EMD already has 13 patents in its field.

### Responsibilities:

- You will work on a multitude of designs ranging from high-efficiency power inverters, asynchronous motor drives, resonant power supplies, linear amplifiers and unique transformers to microcontroller-based control boards.
- You will design new circuit boards that are not based on established design guidelines. You will rely on your imagination and creativity!
- You will be in a position to design and expand your knowledge by using simulation software for electrical and electromagnetic circuits as well as CAD software for PCB design.
- You also enjoy writing code? As an electronic designer, you will work closely with the software team but you will have the opportunity to develop your own test code for your tools &/or prototypes.

### Qualifications: (equivalence will be accepted at EMD's discretion)

- Bachelor or Master's in Electrical Engineering;
- Fluency in English and functional French;
- Autonomy and team work;
- Good understanding of analog and digital circuits;
- Experience with CAD tools for PCB design;
- Experience with electromagnetic simulation tools a plus;
- Knowledge in C or other language a plus.

### Experience:

- Minimum 2 years in analog and digital circuit design