



Electronics Engineer – Medical Electronic Systems (Proton Therapy)

Location : **Louvain-la-Neuve, Belgium**

Are you ready to take your career to the next level?

Do you thrive in environments that challenge and inspire you?

Would you like to grow within a team that values both excellence and enjoyment at work?

ABOUT ELMEA CONSULTING

Elmea Consulting, a brand of Taleo Consulting, is a life sciences consulting firm supporting healthcare companies from development to distribution.

DEVELOPMENT

From proof-of-concept to licensing, we guide our clients through each stage of development, ensuring efficient, science-driven, and regulatory-compliant pathways.

PRODUCTION

We help healthcare organizations accelerate market access while maintaining the highest standards of quality, safety, and regulatory compliance.

What Will You Do?

At **Elmea Consulting**, we believe that advancing healthcare starts with **investing in people**. When our consultants grow, feel empowered, and are supported, they can make a real impact for our clients and, ultimately, for patients.

Our teams are made up of curious, committed, and passionate professionals who thrive in a collaborative environment. By developing their expertise and careers, they actively contribute to the success of healthcare and life sciences organizations at every stage of innovation.

Our success is built on the **talent, collaboration, and commitment** of our people and we're now looking for an **Electronics Engineer** to join our journey.

Mission

As an Electronics Engineer, you will join the team developing medical electronic systems that integrate embedded software, FPGAs, and custom electronics for proton therapy. You will work on electronics hardware design and electronics verification testing of boards that



include common digital peripherals (SPI, I2C, UART), high-speed digital peripherals (RMII, SGMII), on-board DC-DC converters and system-on-modules with FPGA/SoC, in an environment where IT security and IT hygiene for proton therapy sites are a strong focus.

Challenges we trust you with

- Design electronics boards: component selection, schematic design, PCB design and preparation for production, under project schedule and product cost constraints.
- Apply Design-for-Manufacturing (DFM) and Design-for-Testing (DFT) principles.
- Test signal integrity, power integrity, timing, and temperature of digital peripherals and on-board DC-DC converters.
- Work in an electronics lab environment using oscilloscopes, multimeters, power supplies and other test equipment.
- Measure, debug and find proper solutions for problems identified during electronics verification testing.
- Resolve hardware issues identified by other teams during unit testing of FPGA and software images.
- Write formal design description documents and test reports for design and test activities performed.
- Work closely with embedded software and FPGA teams, supporting test setups and debugging with testing equipment.

You have:

- Master's degree or equivalent experience in Electronics or a related field.
- Experience with Altium Designer (schematic and PCB design).
- Hands-on experience in an electronics lab environment with laboratory instruments (oscilloscopes, thermal cameras, multimeters, soldering iron).
- Basic knowledge of EMC, safety and reliability concepts in electronics design processes.
- Solid understanding of embedded electronics for regulated systems, including microcontrollers, FPGAs, and analog/digital interfaces.
- Experience with 4+ layer PCB design, including high-speed transmission lines, is an asset.

- Experience in development/verification of digital peripherals (SPI, I2C, UART, RMII) is an asset.

And you also are:

- Strong communication skills for cross-functional collaboration.
- Rigorous and methodical in lab testing and debugging.
- Comfortable working closely with embedded software and FPGA teams.
- Detail-oriented, especially around documentation and test reports.

Our Vision at Elmea Consulting

We aim to build a leading healthcare and life sciences consulting firm driven by expertise, collaboration, and impact. By attracting top talent and fostering the right environment, we empower our teams to grow and deliver meaningful value to healthcare innovation.

Why Join Elmea Consulting?

Joining **Elmea Consulting**, a brand of **Taleo Consulting**, means becoming part of an international and dynamic team. We offer real career growth, continuous learning, and the opportunity to work on high-impact healthcare projects.

If you're ready to grow with a firm that values excellence and collaboration, **send us your CV.**