



Materials Engineer

Location

Gent (or Brussels / Belgium) – Hybrid / On-site / Remote as relevant

About 3.LIFE

At 3.LIFE, we are redefining cardiovascular health with reACT: a smart, versatile, handheld ECG device designed for diagnostics, monitoring and acute care. By combining advanced AI with personalized reference data, reACT enables earlier detection, continuous monitoring and more responsive treatment for heart disease.

We're expanding our team and looking for a Materials Engineer who shares our mission to transform cardiac care through innovation and engineering excellence.

Role Overview

As a Materials Engineer at 3.LIFE, you will play a key role in the selection, testing and documentation of materials used in the design and manufacturing of our reACT ECG device and its accessories.

You will collaborate closely with multidisciplinary teams to ensure that all materials meet the required technical, safety and medical standards. Your expertise will help ensure our products are biocompatible, durable and compliant. Supporting the development of reliable, high-performance medical technology.

Key Responsibilities

Your role will be diverse and hands-on to the success of our mission. You will:

- Select and qualify materials suitable for medical use. Ensuring biocompatibility, skin safety, durability and performance.
- Contribute to product design of the reACT ECG device and its accessories, integrating material considerations from concept through production.
- Collaborate with suppliers and manufacturing partners to evaluate material options, define specifications and resolve technical challenges.



- Conduct material testing, validation, and durability analysis, supporting verification and regulatory requirements.
- Document material selection and testing processes in accordance with MDR, ISO 10993, and relevant biocompatibility and safety standards.
- Prepare and maintain technical datasheets, and contribute to risk management, design documentation, and product files.
- Stay informed on emerging materials, standards, and regulatory expectations, applying new insights to improve performance, safety, and compliance.

Qualifications & Skills

At 3.LIFE, we value curiosity and collaboration. We believe the best candidates combine scientific understanding with regulatory awareness and a drive to deliver impact. We're looking for someone with:

- A Master's degree in Materials Science, Industrial Engineering, Biomedical Technology, Chemical Engineering, or a related field.
- Experience in medical device, biomedical, or electronics development is a strong advantage.
- Solid understanding of biocompatible materials, including polymers, metals, composites, and surface coatings.
- A hands-on, analytical and detail-oriented approach to problem-solving.
- Strong communication skills (in English; Dutch is a plus) and the ability to work effectively in a cross-disciplinary environment.

What We Offer

You won't just be joining our company, you'll be joining a mission-driven team that wants to save lives with technology. We aim to give you the environment and tools you need to thrive:

- The chance to work on a life-changing product that impacts real patients.
- A dynamic, cross-disciplinary environment where innovation and collaboration are the norm.
- Opportunities for professional development, continuous learning and true ownership of your work.



- A competitive salary and benefits package tailored to your local context.
- Flexible working arrangements to support your work-life balance.

Ready to make an impact in cardiovascular health?

At 3.LIFE, we're not just building technology, we're shaping better futures for millions of people living with cardiovascular disease.

We believe innovation thrives on diverse perspectives. That's why we warmly welcome candidates from all backgrounds and experiences to apply.

If our mission excites you and you can see yourself contributing, we'd love to hear your story.

Every journey begins with a first step, perhaps this is yours.