



Product Development 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 Product Development Engineer who shares our mission to transform cardiac care through innovation and engineering excellence.

Role Overview

As a Product Development Engineer at 3.LIFE, you will drive the end-to-end development of our digital health solutions. From early concepts and prototypes to validated, manufacturable products ready for scale.

You will work closely with R&D, industrial design, software/firmware, clinical, QA/RA and manufacturing partners, owning key parts of the product development cycle and ensuring smooth handovers from prototype to production.

Key Responsibilities

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

- Lead product development activities: enclosures, assemblies, interfaces, fixtures and integration with electronics.
- Build, test and iterate prototypes; plan experiments, collect data, and drive design improvements based on evidence.
- Support and manage the transition from prototype to manufacturable design (DFM/DFA): tolerances, materials, processes, assembly steps, testability and cost.
- Coordinate supplier and manufacturing interactions: component selection, drawings, BOM ownership, supplier qualification and change management.



- Develop verification plans: performance, reliability, environmental testing, usability-related engineering verification and incoming inspection strategies.
- Support risk management activities: contribute to risk analyses (e.g., DFMEA/PFMEA), mitigations and documentation.
- Collaborate with QA/RA to ensure product development aligns with ISO 13485 processes and supports CE/MDR expectations.
- Troubleshoot issues across prototypes and early builds: root-cause analysis, corrective actions and documentation.
- Create and maintain clear technical documentation: design files, drawings, specifications, test plans/reports and manufacturing work instructions.
- Continuously improve product performance, user experience, manufacturability and sustainability of design choices.

Qualifications & Skills

At 3.LIFE, we value ownership and collaboration. We believe the best candidates are not only technically strong but also motivated by impact and a willingness to grow. We're looking for someone with:

- A degree in Engineering (Mechanical, Electromechanical, Industrial Design Engineering, Biomedical Engineering or related field).
- Experience in product development from concept to industrialization (prototype → pilot builds → production).
- Strong practical engineering skills: designing, building, testing and iterating real-world hardware.
- Experience with CAD and engineering documentation (drawings, tolerances, BOMs).
- Ability to manage technical trade-offs across disciplines (mechanical, electrical, software, UX, manufacturing).
- Structured problem-solving skills (root cause analysis, verification mindset, data-driven decisions).
- Comfortable collaborating with suppliers and contract manufacturers.
- Strong communication skills in English and a documentation-first habit.
- A proactive mindset: you take ownership, spot risks early and drive tasks to completion.



Nice-to-Have

Extra strengths that help you shine:

- Experience in medical devices or regulated product development (ISO 13485, EU MDR, IEC 60601 context).
- Knowledge of usability engineering and human factors in physical product design.
- Experience setting up production test strategies (EOL tests, fixtures, calibration workflows).
- Experience with quality tools (CAPA thinking, design controls, change control).
- Experience with embedded products, sensor integration or low-power devices.
- Familiarity with reliability testing and environmental qualification.

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.