

(Senior) Industrialization Engineer

(100% Employment)

[Qnami](#) develops fundamental new technology using quantum mechanics. Our first commercial product, the Qnami [ProteusQ](#) is a complete quantum microscope system using the most advanced quantum technologies at room temperature to image the smallest magnetic signals and explore new horizons in material science. The underlying technology is based on the control and measurement of a single electron embedded in a [diamond sensor](#) enabling us to measure what could never be measured before. We call this [quantum sensing](#) and are enthusiastically developing this technique with our [unique team](#) of talents to change how people perceive the world.

We are extending our quantum microscope product toward cryogenic environments to support material science close to the coldest temperatures in the universe, and to enable the design and production of qubits for current quantum computers. To lead the industrialization process of existing and future Qnami Products we are seeking for a highly skilled and motivated

Industrialization Engineer

with a background in Electrical Engineering to join our team. As an Industrialization Engineer, you will play a vital role in translating (existing) product designs into efficient and scalable products.

In this position, your responsibilities will include:

- Collaborate with the R&D team to review product designs and provide input on manufacturability, scalability, and cost optimization.
- Take CAD design prototypes (in Solidworks) developed by the R&D team and adapt them to industrialize the product.
- Support the R&D team with your knowledge of electrical engineering.
- Design, develop, test, and supervise the manufacture of electrical components.
- Develop and implement efficient manufacturing processes, workflows, and assembly methods for new products.
- Create and maintain detailed process documentation, including work instructions, standard operating procedures (SOPs), and process flowcharts.
- Lead the industrialization process for all Qnami products.
- Design and optimize production layouts, considering factors such as workflow efficiency, ergonomics, and safety.
- Collaborate with suppliers and procurement teams to ensure timely availability of required materials, components, and equipment.
- Conduct risk assessments and implement appropriate mitigation strategies to ensure product quality and regulatory compliance.
- Troubleshoot technical issues related to manufacturing processes, equipment, and systems.

- Collaborate with cross-functional teams to resolve design-related issues and implement design changes for improved manufacturability.
- Stay updated on industry trends and advancements in manufacturing technologies and provide recommendations for process enhancements and equipment upgrades.

You are an Engineer with proven experience of industrializing products. You are curious, hands-on, like to take initiatives and are eager to learn. You are stimulated by challenge and like to work with a multi-faceted, multi-cultural team.

Your qualifications include:

- Completed degree in Industrial, Electrical, Mechanical or Manufacturing Engineering, or a related field.
- Proven experience (5 years and more) in an industrialization engineering or a manufacturing engineering role.
- Proven experience in 3D modeling CAD software (Solidworks).
- Strong knowledge of manufacturing processes, lean principles, and production optimization techniques.
- Hands-on background in electrical engineering (Design, develop, test, and supervise the manufacture of electrical components)
- Excellent analytical and problem-solving skills, with the ability to troubleshoot technical issues and implement effective solutions.
- Strong organizational skills to manage multiple projects and priorities.
- Excellent communication and interpersonal skills, with the ability to work collaboratively with cross-functional teams.
- Knowledge of regulatory and safety standards relevant to manufacturing processes.

Qnami offers you a unique working environment, you will be fully supported by the team so that you can learn and grow:

- Gain a comprehensive understanding of state-of-the-art quantum sensing technologies and high-resolution microscopy.
- Participate hands-on in the development process of the next generation of Quantum Microscopes.
- Experience a dynamic and forward-thinking deep-tech quantum company with an efficient and [holistic](#) approach to complex environments.
- Goal-driven success allows you to directly benefit from the company's growth and success through equity participation.
- Enjoy comfortable, modern, and easy reachable office spaces and the opportunity to connect with other entrepreneurs in one of Switzerland's premiere startup spaces – [the 5th floor in Muttenz](#)
- Be an integral part of a highly motivated and energetic startup team that values scientific exploration, human connection, and the diverse perspectives brought by all team members.

- Join a diverse and inclusive work environment that actively promotes gender equality, embraces diversity, and welcomes female engineers to contribute their unique perspectives and expertise to our innovative projects.

The role is based in Muttenz, Switzerland, which is conveniently located near Basel, a vibrant city renowned for its rich history of art, humanism, and science.

To apply, please send your comprehensive application, including CV, motivation letter, salary expectation and examples of previous projects in English, German, or French, to jobs@qnami.ch. Kindly note that we only accept applicants with a valid work permit for the EU and/or Switzerland.

Join Qnami and contribute to the growth of our company and the emergence of a quantum industry 1.0.