

Datamars is an innovation and quality leader in the animal management and textile management industries. Our many years of experience in RFID and integrated systems, coupled with our deep understanding of our customers' operations have made us a leading choice of successful businesses around the globe.

Our family of product brands allows us to offer a comprehensive range of integrated services and products, including companion animal identification and reunification products, livestock health delivery systems and identification products, and textile inventory management systems. Our products are delivered via our extensive network of experienced service, sales, distribution channels and partners. Datamars has over 1,800 employees located in offices around the globe, including the Americas, Europe and Asia. Datamars is a private company, founded in 1988 and headquartered in Lamone, Switzerland.

For more information, please visit www.datamars.com

For our Research & Development department based in Lamone, Switzerland, we are searching the following (new) position

Electronics Design Engineer

KEY RESPONSIBILITIES

As an electronic engineer you will work as a member of multidisciplinary teams developing new products and provide engineering support to products throughout their lifecycles. You will be a team player that contributes to a continuous improvement culture focused on delivering the best result for our customers.

MAIN DUTIES

Responsible for the following tasks:

- Design and verification of electrical and electronic systems, components and materials across all of Datamars' products, with special focus on RFID readers
- Creation of circuit designs, supporting calculations, design notes and verification plans
- Consideration of factors such as noise, signal integrity, tolerances, power dissipation and power consumption and operating limits; ensuring robust designs within specified operating and storage conditions.
- Design of multi-layer PCBs for mixed signal (analogue & digital) circuits, using Altium Designer tools.
- Construction/commissioning of test units/prototypes, including embedded prototypes and pre-production runs of printed circuit assemblies (PCAs).
- Planning and managing the validation of design solutions against required performance specifications (both in lab and in field).
- Proactively considering and contributing to the solution of customer or engineering problems outside your area of specialty

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- Keeping up-to-date and considering regulatory and standards compliance as part of the design process. This includes but is not limited to: electrical safety, electromagnetic compatibility, radiocommunications, battery management / transportation, restricted substances and energy efficiency.
- Working closely with team members to utilize best practices for concepts through to mass production
- Collaboration as part of multi-disciplined teams, to consider the end user in all deliverables; working with Product Managers and other stakeholders (in Switzerland as well as overseas) to ensure that all deliverables meet their aesthetic, functional and quality needs.
- Investigate on quality issues and non-conformities
- Support Product management and if needed talk directly with customers on their needs
- Working with Project Leaders and R&D manager to prioritize workload
- Coordination within project teams to complete assigned tasks within agreed deadlines.
- As required support of products throughout their lifecycles, to add enhancements, test or fix issues.
- Participation in the full development lifecycle from concept through to mass production.
- Contribution to a continuous improvement culture, seeking improvement opportunities in the technologies, tools and processes used in both your functional team and the wider R&D team.

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REQUIREMENTS

- BSc or MSc in Electronics Engineering or equivalent
- Understanding of manufacturing and product development processes
- Extensive knowledge of modern practices and tools for electronic engineering design.
- Minimum 5 years of proven working experience HW development,
- Knowledge of digital electronics, ideally STM32 microprocessor family
- Knowledge of wireless technologies (Wi-Fi, Bluetooth classic, BTLE)
- Knowledge of IoT, low power network and low power devices is a plus
- Desirable to have experience with either battery-powered products or power electronic circuits
- Desirable to have experience with Altium Designer as schematic entry/PCB design toolset.
- Experience in the sourcing of electronic components.
- Experience in working as part of a multi-disciplinary design engineering team.
- Desirable to have experience designing ruggedized outdoor products.
- Excellent English, written and spoken
- Willingness to travel occasionally

WE OFFER

- Possibility to be exposed to an international environment in a company with excellent reputation
- Possibility to develop competencies in product development and project management
- Dynamic and young work environment

Does this position meet your interest, and do you have the requested skills? Then please send your application (in English) with motivation letter and CV to recruiting@datamars.com and mention your name and “**Electronics Design Engineer**” in the subject line.

Applications that don't fulfil the requirements will not be considered for the selection.

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