

# Power Electronics Manager

## Briefly

If you are a dynamic and strategic leader who can deliver results through tactical execution, then this role might be the next best step for you in your career. The Manager, Power Electronics will lead the Power Design group in VisiC Technologies, supporting Engineering and Product development activities. We have immediate opportunity for an experienced Power Electronics Manager, with a strong background in Switch Mode Power Supplies and Electrical Vehicles and with excellent planning and organizational skills.

VisiC Technologies develops and brings to market innovative power semiconductor products for efficient and high-density power conversion solutions. In VisiC, we redefine what's possible, finding answers to some of the power electronics toughest challenges.

Working closely with our sales and R&D teams, you will become part of the exciting transition towards electric vehicles and set the standard for the high-power density and high efficiency solutions!

## Job description

In this challenging position you will have both technical as well as executive responsibility for the Power Design team, both in product design and in application demo activities. With a strong focus on power design, Power Electronics Manager will balance expertise in electronics engineering fundamentals with creativity, innovation and proof-concept prototyping.

In your new role you will:

- Lead and manage a team of engineers to achieve goals for high priority complex projects, a year plus in scope, from start to finish, including development of electrical hardware, such as demo boards and reference designs to demonstrate the best in class performance of DC-DC converters up to 30 kW, AC-DC converters for motor drives and battery charging up to 30 kW
- Lead power electronics research through modeling simulation, and design and development of power electronic circuits and controls using GaN-based devices, actively participate in IP creation and patents writing.
- Create and maintain engineering data, documentation and collateral that achieves project deliverables and supports Product Design History file, such as electrical drawing, schematic, functional block diagrams, test reports etc.,



- When required, perform hand-on testing for the benefit of product validation, analysis of the field failures, competitive benchmarking and solving technical issues.
- Being strong advocate for rigorous engineering practice and thought throughout the organization, including developing processes, reviewing documentation, and presenting your viewpoints to non-technical and technical leaders
- Manage the lab activities including CAPEX planning, calibration and maintenance.
- Author articles for publication in trade magazines and journals
- Conduct a forward-looking risk management by working closely with your stakeholders to identify possible mitigation measures and/or backup scenarios
- Strategically develop next-generation engineers to embrace their strengths while improving their weaknesses

## Profile

You will report directly to company CEO. You should remain aware of the big picture even in complex situations and make decisions despite uncertain circumstances. You have furthermore the passion and the courage to develop new and creative ideas. You know how to focus your effort on finding solutions to technically challenging problems, and you have strong hands-on management experience and leadership skills.

## You are best equipped for this position if you have:

- BS in Electrical Engineering or another relatable technical field. Applicants with a M.S. or Ph.D. degree have an advantage
- 7+ years relevant experience in power electronics industry
- Strong technical knowledge, competence, design experience on a system level
- Strong knowledge in power converter/inverter topologies and controls
- Analytical and problem-solving skills.
- Ability to lead multitalented engineering team
- Experience in writing technical documents such as hardware requirements and specifications, product design specifications, test specifications, schematic, board level design details etc.
- Be comfortable with technical project planning with clear objectives
- Strong interpersonal skills and self-motivated for success