



## Electrical Engineer II

Location: Gaithersburg, MD

Full-time

Permanent

### About Excelitas Noblelight

As an expert and world market leader for specialty light sources and systems, we make light in the wavelength range from UV to IR productively usable - for industry, science, environmental protection and health. With sophisticated light sources, Excelitas Noblelight provides its customers with new competitive advantages and continuously opens up new applications!

We are aware of our responsibility towards people and the environment and have set ambitious targets in terms of CO<sub>2</sub> reduction, sustainability, diversity and inclusion, which are at the heart of all our business activities.

Become part of our team and shape the future with us. We look forward to meeting you!

### Your tasks:

- Develop, innovative electronic hardware and integrate new products into system architecture, with a focus on power electronics from conception to series production.
- Develop, design, and engineer specifications and prepare or review design layouts of electronic circuits by cooperating with external development partners and suppliers.
- Support the creation of equipment requirements and specifications with internal and external stakeholders.
- Conduct initial prototyping for electromechanical and electronic assemblies, circuit boards, and systems.
- Run testing and verification against the functional specifications.

### Your profile:

- BS/MS in electrical engineering, mechatronics, or comparable.
- Demonstrated experience pertinent to power electronics, preferably 5 years in electrical systems and components in product development.
- Direct experience or familiarity with high voltage power supply design topologies, such as Switch Mode, Solid-State, or Ferro-Resonant power supply preferred.
- Experience in the use of simulation tools (e.g., MATLAB, Spice).
- Knowledge in electronic circuit designs and respective tools (e.g., Altium).
- Self-directed and independent style of work preferred.
- Ability to work in a team environment.
- Strong written and verbal communications skills.

### Curious? Apply now!

We look forward to receiving your application documents via our recruiting mailbox at: [Mikayla.lebel\\_external@heraeus.com](mailto:Mikayla.lebel_external@heraeus.com) - even if you do not meet all the requirements, but have good reasons why you are still the right person for this role!

**Any questions?** Our recruiting team, Excelitas Noblelight, will be happy to answer your questions by e-mail:

[Mikayla.lebel\\_external@heraeus.com](mailto:Mikayla.lebel_external@heraeus.com)