



## Technician – Power Electronics (f/m/d)

Join our mission and help us to ...

### Improve the actual generation of power electronic devices.

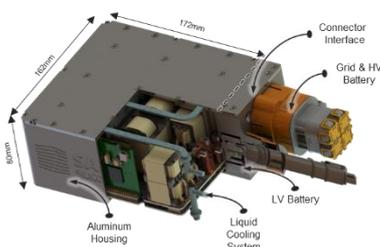
Permanent Employment, Full Time · Villach

Between 2019 & 2022, SAL & industry partners developed in a cooperative project the world's most compact and efficient onboard charger for electric vehicles. In future we aim for new records and technology demonstrators breaking state-of-the-art. To enable our constantly growing team of scientists for ground breaking research, we need support for our laboratory setups, managing consumables and deal with supply chain management in R&D projects.

### YOUR FUTURE RESPONSIBILITIES

- Supporting scientists and students in research projects focusing on power electronic systems for various applications with:
  - Preparation and execution of component and material orders.
  - Contact with suppliers and distributors throughout the whole supply chain.
  - Being central contact person for students and scientists for processing orders.
  - Assistance for administrative tasks e.g. Documentation of research projects, laboratory setups and measurement series; documentation support of meetings...;
- Responsible for managing the power electronics laboratory infrastructure:
  - Maintenance of laboratory equipment and responsible for managing consumables.
  - Laboratory logistics support, managing and installing new equipment.
- Networking with material and component suppliers
- Depending on your knowledge, experience and interests, part of the following activities can be additionally expected:
  - Electronics CAD library management (symbols, footprint and 3D model database)
  - Hardware design of power converters (SMD soldering, 3D printing...)
  - Electrical and mechanical engineering tasks
  - Assembly of power electronic circuits and laboratory setups
  - Possibility of contributing to publications in worldwide leading conferences and journals.
  - Attending workshops/tutorials.

Component Management & Design



Laboratory setups



Thermal measurements



Pictures are for [general context only](#).

## YOUR PROFILE

- Higher technical college (3,5 or 5 years HTL) or completed technical apprenticeship
- Hands on skills in at least one of the following fields are preferred
  - Programming languages, e.g., C/C++, Python, Java...
  - Microcontroller programming...
  - PCB design tools, e.g., Altium Designer...
  - CAD design tools, e.g., Solidworks, Inventor...
  - Laboratory skills for electronic system prototyping and test with e.g. oscilloscopes, supplies...
- Highly enthusiastic and motivated working aside researchers activities and assist research around newest cutting-edge technologies for power electronics and e-mobility applications.
- Willing to learn new skills and ready to take challenges and responsibilities.
- Flexibility and respectful teamplayer
- Teamwork spirit for joining a young and dynamic team.
- English, both written and spoken.



## IMPORTANT FACTS ABOUT SAL

- Diversified research activities with plenty of technical challenges.
- State-of-the-art lab facilities and instruments.
- Internal and external training opportunities for further development.
- Home Office possible.
- € 4 per day food allowance in restaurants or € 2 per day in supermarkets.
- Family- & kids-friendly.
- Free coffee/milk/tea & fresh fruits.

*For further information please visit our career section of our homepage:*

<https://silicon-austria-labs.com/karriere/offene-stellen/>

*or directly go towards this specific position:*

<https://silicon-austria-labs.jobs.personio.de/job/935507?display=en>