



**DAPHNE
TECHNOLOGY**

Daphne Technology SA
Chemin de la Venoge 7
CH-1025 Saint-Sulpice
<https://daphnetechonology.com/>

Founded in 2018, Daphne Technology SA is a green technology company that is revolutionizing the transportation industry by offering the most cost-effective and ecologically-superior technology to tackle and reduce air pollution. Daphne Technology's first product, SulPure®, is a catalyst-free gas purification system to help the petrochemical, power and transportation industries reduce air emissions to the levels required by international and national regulations. The company employs approximately 20 people, is headquartered in Saint-Sulpice (Switzerland) and has subsidiaries in Gothenburg (Sweden) and Oslo (Norway).

For the industrialization of our proprietary EConverter technology we would like to reinforce our core R&D team through the hiring of a:

Power Electronics Engineer

Responsibilities

- Simulation of novel power electronic systems (Matlab/Simulink, PLECS)
- Prototyping, commissioning, and testing of converter hardware (Altium, KiCad, Autodesk Inventor)
- Design and implementation of high frequency magnetic components (Matlab, COMSOL)
- Digital control system design and implementation
- Planning, execution and troubleshooting of experiments together with a cross-functional team of scientists in an agile environment

Qualifications

- MSc in Electrical Engineering (or related discipline) with focus on power electronics
- Proficiency in designing, implementing, and testing power electronics
- Embedded system programming skills (C/C++, VHDL)
- Experience working in the lab with high voltages (>400 V)

What we are looking for

- An enthusiastic person motivated by designing and building innovative solutions
- Passionate commitment to a sustainable future
- Structured and methodical
- Ability to work independently and as part of a team
- Self-motivated with a desire for personal growth
- Excellent written and oral communication skills in English

Star Points

- Experience with resonant and/or pulsed-power converter technology
- EMC design and troubleshooting knowledge
- Experience working with Zynq and TI C2000

Workplace: Daphne Technology SA, 1025 Saint-Sulpice

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