



## Shaping the Future of Sustainable Technologies

The Large Engines Competence Center (LEC) is one of the world's leading research institutions in the field of sustainable transportation and energy systems and offers excellent career prospects in a scientific environment of the highest quality. Cooperation with world-leading industrial partners and renowned research institutions facilitates top-level application-oriented research that aims to preserve the environment for future generations.

Our team in Graz is looking for a

## Research Engineer (m/f)

### Large Engine Performance Concepts

### Job description

We are looking for an experienced engineer to work on performance concepts. Together with one of our partners, you will define the steady state and transient performance of a new gas engine focusing on conceptual work and simulation.

### Major responsibilities

- Engineering work for a gas engine development project focusing on performance (power, efficiency, emissions, costs, transient behavior etc.) and operating strategies
- Definition, coordination and execution of gas engine development activities concerning mixture preparation, gas exchange, combustion, turbocharging etc. like conceptual studies, assessment of various design options, concept down-select etc.
- Definition, coordination and execution of corresponding 1D simulations and SCE test data evaluations
- Close cooperation with various functions of the engine manufacturer like performance, controls, design, mechanical engineering, systems etc.
- Strong support of the engine manufacturer development process e.g. preparation of reviews, documentation etc.

### Your profile

- Master of science in mechanical engineering or similar
- Experience in thermodynamics and combustion engine development
- Experience in 1D simulation and project execution
- Strong interpersonal skills
- Good communication skills in English

### Our offer

- Availability of modern research infrastructure
- Self-reliant work in an excellent team
- Excellent possibilities for personnel an professional development
- Flexible working time, situated in excellent location of Graz, canteen
- Full-time position, immediate start desired
- The minimum salary for this position is € 3.300, -- gross per month (paid 14 times per year). We are open to honor your qualifications and experience with a higher salary.

The LEC supports equal opportunity and diversity. We are looking for committed and motivated individuals with a talent for research.

### Contact:

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Become part of our successful LEC team! We look forward to your application.

