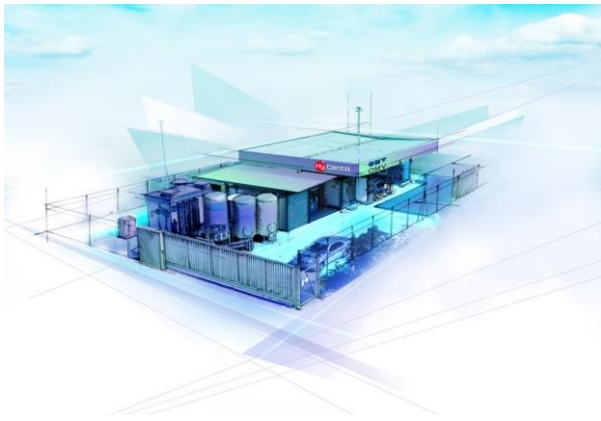




**Shaping the sustainable
hydrogen society
through research**

HyCentA Research GmbH, based at Graz University of Technology, is one of Austria's leading centres for applied hydrogen research. Combining advanced experimental infrastructure with cutting-edge simulation capabilities, we develop hydrogen technologies for mobility, industry and the energy system, including electrolysis, storage and fuel cells.

We are looking for an experienced researcher and project leader to help advance our growing liquid hydrogen activities.

Senior Researcher and Project Manager in Liquid Hydrogen Technologies (f/m/d)

Working hours: full-time (38.5 hours per week)

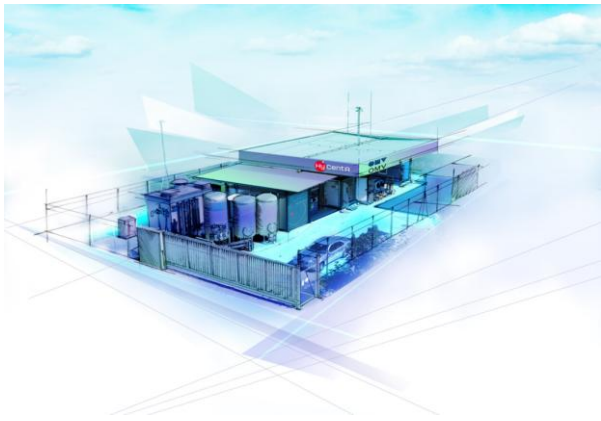
Job ID: 260303

Your responsibilities:

- Lead and deliver nationally and internationally funded research and industrial projects in liquid hydrogen (LH₂) technologies
- Provide technical leadership to project teams and coordinate collaboration with industry and research partners
- Manage project schedules, budgets, deliverables, quality, reporting and documentation
- Drive the design, development and evaluation of cryogenic hydrogen systems and components
- Plan and oversee thermodynamic, fluid-dynamic and numerical investigations of LH₂ refuelling, withdrawal, pressure build-up, boil-off and heat ingress
- Lead component- and system-level testing and contribute to the development, commissioning and operation of LH₂ research infrastructure
- Develop safety concepts and risk assessments, and liaise with testing and certification bodies
- Identify and acquire research funding (including EU and FFG programmes) and industrial R&D contracts
- Help establish and expand our liquid hydrogen research activities at the new site in Upper Austria
- Publish research findings and represent HyCentA at international scientific conferences

Your qualifications:

- University degree in mechanical engineering, process engineering, engineering physics or a related technical field; a PhD is an advantage
- Several years of experience in hydrogen technology, cryogenics, thermodynamics or fluid dynamics; experience with LH₂ or other cryogenic fluids is particularly welcome
- Demonstrated experience managing collaborative R&D projects and working with industrial partners



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- Experience preparing successful research proposals and securing external funding
- Strong expertise in the engineering, modelling, simulation or testing of thermo-fluid and cryogenic systems
- Experience designing test rigs and planning, conducting and analysing experiments is an advantage
- Knowledge of technical safety, risk assessment, applicable standards and certification processes is an advantage
- Confident leadership and communication skills, combined with a structured, independent and solution-oriented approach
- A proactive mindset, strong ownership and the ability to work effectively in an interdisciplinary team
- Very good written and spoken English

We offer:

- A key role at an established applied research centre dedicated to hydrogen technologies
- The opportunity to actively shape and grow a new research area in liquid hydrogen, cryogenic technologies, and sustainable energy systems
- Technically challenging projects with direct relevance to sustainable mobility, industry and energy supply
- Access to advanced research infrastructure spanning engineering, simulation and experimental validation
- Professional development and career opportunities, including further training and doctoral research
- A collaborative, supportive and internationally connected research environment
- The minimum gross salary is €4,800 per month, paid 14 times annually. A higher salary may be offered depending on qualifications and relevant experience.
- Primary workplace: our planned site in Enns, Upper Austria

We are committed to equal opportunities and diversity and welcome applications from all qualified candidates, regardless of gender, age, ethnicity, religion, disability or sexual orientation. We particularly encourage women to apply, as we aim to increase the representation of women in technical and scientific positions.

Please submit your complete application documents, including your CV, cover letter, and certificates to jobs@hycenta.at