

Secop is the expert for advanced hermetic compressor technologies and cooling solutions in commercial refrigeration. We develop high performance stationary and mobile cooling solutions for leading international commercial refrigeration manufacturers and are the first choice when it comes to leading hermetic compressors and electronic controls for refrigeration solutions for light commercial and DC-powered applications.

The group has 1,350 employees worldwide with production sites in Slovakia and China as well as research centers in Germany, Austria, Slovakia, China, and the USA.

Do you want to be a part of our exciting journey developing high quality products for light commercial and mobile cooling? For our research center in Austria we are looking for a

internship (f, m, d) for the CRANKTRAIN-department - Mechanism (3-4 months)

Your tasks:

- Support on following aspects:
 - Design and build a test bench to accurately measure frictional losses in a hermetic compressor
 - Execute measurement of frictional losses with bearings using newly developed experimental techniques
 - Perform numerical simulation on compressor parts using modern engineering tools, eg. ANSYS, AVL Excite, GT-Suite
 - Define and conclude correlations between experimental and numerical results
 - Calibrate numerical model based on testing of physical prototype
- Support the development team on innovative numerical simulations of compressor's behavior at starting and stopping, bearing lubrication and reliability simulations, friction loss estimation

Your qualification and profile:

- Experience with mechanical testing, fatigue testing, test bench design
- Background in mechanical / electrical engineering or technical school
- Experience with ANSYS Mechanical and AVL Excite is beneficial
- Knowledge on Reliability using Weibull, damage estimation, fatigue calculation is beneficial
- Knowledge of CAD system for model preparation/cleaning (Preferably PTC Creo/ProE) is beneficial
- Highly engaged and structured, strong drive for ownership and result oriented
- Intercultural skills
- Fluent English

We offer:

- Dynamic work environment and top professional colleagues
- Support from qualified employees of the company
- High flexibility through flextime, good public accessibility, parking facilities
- For non-obligatory internship: € 2.276 gross per month according to collective agreement on a full-time basis.
- For obligatory internship: €1.596,81 gross per month according to collective agreement on a full-time basis.
- Depending on experience and education higher remuneration is possible.
- Employment contract with at least 8 hours per week. Full-time work is also possible during the summer holidays (July, August)
- Start date: Summer 2022

We are looking forward to your electronic application to: hr.austria@secop.com

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