

Drives Software Engineer - Motor Controls

We are looking for an experienced Software Engineer to join our team of 8 talented developers. You will be responsible for the design, implementation, and optimization of motor control algorithms for frequency converters, with a particular focus on compressor motor control. Your expertise in embedded systems and C/C++ development will be crucial in creating high-performance and energy-efficient solutions for our products.

About the Position

In this role, you will be part of a highly specialized and cross-disciplinary team, working across the organization on exciting development projects. You will have the opportunity to contribute to cutting-edge technologies in motor control and frequency converters, within an innovative environment.

Key Responsibilities:

- Develop and maintain software for embedded-platforms, including the design, coding, and integration of software for ARM-based systems.
- Implement and optimize control algorithms for motor control applications using tools like MATLAB and Simulink.
- Collaborate with hardware engineers to ensure seamless integration of control systems and participate in fault analysis.
- Perform testing, debugging, and validation of embedded software using scripting languages like Python for e.g. automated testing.
- Stay updated on the latest trends and technologies in motor control and contribute to platform-based development and product safety.

Your Profile:

- Bachelor's or Master's degree in Electrical Engineering, Computer Science, or a related field.
- Experience in embedded software development, especially within motor control systems.
- Strong proficiency in C/C++ programming and experience developing on ARM platforms, including knowledge of RTOS frameworks.
- Familiarity with communication protocols such as CAN, RS232, SPI, I2C, and Ethernet, as well as driver development for hardware.
- Experience with tools like MATLAB, Simulink, and Python for simulation and testing.
- Experience with agile development methodologies and the ability to work in cross-functional teams.
- Excellent communication skills in English and Danish, both written and verbal.

We Offer:

- A professionally competent team that provides opportunities for both personal and professional development.
- An inspiring and informal work environment with access to a strong collegial network.
- A flat organizational structure with significant influence on decision-making.
- A comprehensive onboarding program to ensure you quickly feel at home.

Apply now

Please send your application and CV as soon as possible. We conduct interviews on a rolling basis and will close the position once the right candidate is found.

If you have any questions about the position, please feel free to contact our Embedded SW Manager, Thomas Johansen, at +45 73 42 38 70, or Flemming Klovborg from PULS Human Relations at +45 43 14 42 02, who will be happy to assist you.

About BITZER Electronics

At BITZER Electronics, we are always looking for talented employees who can contribute to developing the energy-efficient control solutions of the future. Solutions that make a difference in the green transition and can ensure that we reach the global climate goals by 2030.

For more than five decades, our skilled and dedicated employees have designed, developed, and produced electronic control solutions dedicated to various applications within heating, ventilation, and refrigeration.

We are part of the BITZER Group, which has more than 4000 employees globally, and is one of the

world's leading manufacturers of refrigeration compressors.

Despite our global presence, local engagement is an important part of our DNA. We work closely with various educational institutions, commit ourselves to hiring newly graduated and find room and space for employees with different profiles and needs.

Our corporate culture is based on strong values such as professionalism and inclusiveness. We focus on work-life balance and have a flat organizational structure with a short path to the top. We are incredibly proud that we over the years have been rated as one of Denmark's best workplaces, something we strive to live up to every day. You will be part of an open, inclusive, and innovative work environment that embraces diversity, unity, and the individual employee.