



As a global company, we develop, produce and distribute various permanent magnets, electromagnetic and photoelectric sensors/transducers and measuring instruments for measuring electrical, physical and mechanical variables with applications in automotive industry and renewable energy. In order to strengthen our research and development team, we are looking for a

## **Master/Bachelor Candidate (m/w) to Topic: "Hall Effect Position and Angle Sensors with Automotive Applications"**

### **Your tasks**

- State of the Art and Literature study of angle & position measurement
- Examination of the structure of sensors using the Hall-Effect-principle
- Development of Hall Effect Angle & Position Sensor prototypes
- Problem solving in serial productions of developed sensors
- Applications of developed sensor
- Documentation of achieved results, etc.

### **Your profile**

- Student (m/w) studying electrical engineering and information technology, mechatronics, mechanical engineering and applied physics with focus on Sensor & measurement technology and Signal Processing
- Good knowledge of physics, electrical engineering/electronics, Signal Processing, especially in electromagnetic sensor & measurement, microelectronic & programming
- Strong team and communication skills, an independent and careful working style, as well as good analytical problem-solving skills
- Good programming skills, EDV-knowledge, knowledge of English & German and routine use of modern means of communication, etc.

If you feel addressed by these challenging and developmental tasks and want to learn more about the performance of our company, please send your meaningful application to ChenYang Technologies GmbH & Co. KG.

We look forward to receiving your application.

### **Contact**

ChenYang Technologies GmbH & Co. KG  
Attn.: Dr.-Ing. habil. Jigou Liu  
Markt Schwabener Str. 8  
85464 Finsing  
Germany  
Tel: +49-(0)8121-2574114  
Fax: +49-(0)8121-2574110  
jigou.liu@chenyang-ism.com  
<http://www.chenyang.de>