



Pioneering. Innovative. Global. This is the mission of Stackpole Powertrain International. We are a globally operating company of the Johnson Electric Group and a leader in the development and production of oil and vacuum pumps (Fluid Power Systems) and sintered metal parts for the automotive industry. In our development center in Aachen, Germany, we develop hydraulic systems consisting of pumps and electric motors, including the corresponding power electronics and control. The range of applications includes oil supply for combustion engines and gearboxes as well as special adaptations to customer-specific requirements. Do you want to become part of our powerful team?

We are looking for a



**Senior Mechatronics Systems Engineer – North American Lead (m/f/d)**

*The responsibilities ...*

- Lead development programs in North America; collaborate with global team to develop Electric Oil Pumps for cooling/lubrication, actuation and suspension application system based on customer requirements following ASPICE
- Define and provide technical customer interface for application of Electric Oil Pump systems
- Apply MBD methodology on ePump/Module for System & HW/SW development
- Generate Product Technical Requirement for ePump system, BLDC Motor, Hydraulic Pump and Controller (HW/SW)
- Design system DFMEA for projects and work with customer to clarify requirements
- Develop system designs for new applications and integrate with global platform (System, Motor, Pump, Controller)
- Local & international business trips are required (customer meetings & collaboration with global mechatronics teams)
- Development of AQP systems specific to Electric Oil Pump following IATF16949, ASPICE and customer standards

*Your format ...*

- A bachelor or higher degree in Mechatronics, Electrical or Mechanical Engineering related
- 3-5 years main activities (preferable) or comparable experience in Automotive Electronic/Mechronic Industry
- Excellent practical experience of Motor applications, development experience for mechatronics system and Electric Oil Pump, Electric Water Pump or other fluid applications
- Professional experience with CAD software (CreO, NX, CATIA, Solidworks, etc.)
- Familiar with ASPICE; advanced knowledge of BLDC motor product design; comprehensive understanding of HW/SW design & validation; Experience of DOORS, Helix, PTC Integrity/Windchill, Simulink or similar, EE/EMC test
- Good knowledge of customer standards, international standards, legal requirements, and technical specifications related to automotive powertrain
- Excellent experience in communication protocols (LIN, CAN, CANFD, PWM) and control strategy
- Excellent oral and written communication skills in English, additional language skills in German & Chinese is a plus

*We offer ...*

- an exciting, varied range of responsibilities with plenty of personal scope for development
- a corporate culture characterized by cooperation, commitment and a collegial atmosphere
- ability to work in flexible time with global teams in North America, Europe and Asia
- relocation service to Canada (for internal candidates asap – for external candidates after 1 year of service)

Please send your detailed application (including your salary requirements and earliest possible starting date) to:  
[hr-aachen@stackpole.com](mailto:hr-aachen@stackpole.com)