

Team Leader for Intelligent Hydraulic System

Responsibility:

- Lead a team for innovations in intelligent hydraulic systems for excavators
 - Track, analyze, research the latest cutting-edge technologies
 - Creatively propose overall concepts for intelligent hydraulic systems
 - Provide the performance requirements and design parameters for intelligent hydraulic systems
 - Organize and coordinate project implementation
 - Guide and coordinate multi-party cooperation
 - Document research reports
- Commercialize research results
 - Feasibility analysis
 - Market and cost analysis
- Organize technical meetings and report the results

Job location: Aachen, Germany

Skill requirements:

- Hydraulic engineering, mechanical engineering, manufacturing engineering, Electro-mechanical engineering
- Earned European / American doctorate degree (or master's degree, with extensive experience).
- Must have a solid understanding of hydraulic engineering and controls theory.
- Familiar with excavator hydraulic system working principles and control methods
- Familiar with the working principles of pumps, valves, motors, and cylinders of hydraulic systems
- Pioneering thinking and innovational mindset.
- Strong project organization ability
- Strong communication skills
- Fluent in English
- A team player
- 5+ years of related working experience

Skill preferred, not necessary

- Understand basics of computer control software and hardware
- Experience in hydraulic system design and hydraulic controls design.
- Experience of integrating hydraulic components.
- Familiar with hydraulic system simulation software (eg Matlab / Simulink, AMESim)

Team leader for materials, surface treatment and manufacturing technology for key components of hydraulic pumps /motors

Responsibility:

- Lead a team for materials, surface treatment and manufacturing technology for key components of hydraulic pumps/motors
 - Track, analyze, research the latest cutting-edge technologies
 - Creatively propose overall concepts for materials, surface treatment and manufacturing technology for key components of hydraulic pumps/motors
 - Provide performance requirements, design parameters, manufacturing concepts for the innovative hydraulic pumps/motors
 - Organize and coordinate project implementation
 - Guide and coordinate multi-party cooperation
 - Document research reports
- Commercialize research results
 - Feasibility analysis
 - Market and cost analysis
- Organize technical meetings and report the results

Job location: Aachen, Germany

Skill requirements:

- Hydraulic engineering, mechanical engineering, material engineering
- Earned European / American doctorate degree (or master's degree, with extensive experience)
- Have experience in hydraulic pump / motor design
- Possess basic knowledge in material science and tribology
- Familiar with applications for hydraulic pumps and motors
- Strong project organization ability
- Strong communication skills
- Pioneering thinking and innovational mindset
- Fluent in English
- A tram player
- 5+ years of related working experience

Skill preferred, not necessary

- Familiar with basic hydraulic components manufacturing techniques and methods
- Familiar with hydraulic components life calculations
- Have basic knowledge in computer control software and hardware
- Familiar with CFD simulation software (eg PumpLinX)