

System Architect

HYDAC was founded in 1963 as a company for hydraulic accessories and is today an internationally active company group with over 9000 employees, 50 branch offices and 500 trade and service partners world-wide.

HYDAC stands for hydraulics, systems and fluid engineering.

HYDAC components can be found in all areas of industrial and mobile hydraulics. HYDAC solutions cool and lubricate gears in wind turbines, work in the tensioning hydraulics of modern machine tools, cushion the cabs on agricultural machinery, support the working hydraulics of excavators, and inspect and test the loading capacity of wings on the Airbus A 380.

HYDAC units adjust the parabolic troughs of solar energy plants or actuate valves and armatures in power plants. Vibrations in large-size diesel engines are dampened by hydraulic accumulators, and the shaft movements on drilling ships are compensated for with hydraulic cylinders.

With fluid engineering and service, we are a competent and permanent point of contact for our customers

Our supply program includes hydraulic accumulators, fluid filters, process filters, coolers, electrohydraulic controls/industrial valves, sensor systems for pressure, encoder measurement and solenoid technology, cylinders, pumps, mounting technology, armatures, Condition Monitoring and much more.

The Position:

Due to expansion, Hydac is now strengthening its organization with a System Architect for mobile machines systems. You will work with the development of electric/electronic system architectures for mobile machines and their sub systems. You will have a key role in the organisation and certainly have both a varied and exciting job with an interesting mix of technology, problem solving and customer contact. The main focus of the role is a functional technical responsibility for the various systems you help design, where you will liaise closely with the company's other departments such as sales and R&D. You will also have a lot of external contacts with customers, suppliers and partners.

Duties:

- Specification, development of electric/electronic system architectures for mobile machines and their sub systems.
- Definition of the interfaces between hydraulic and electric components.
- Establishment of specifications and localisation of the requirements on the vehicle level.
- Definition/ Specification of the requirements for "Functional Safety" and their implementation in the drive structures.
- Specification and documentation of safety and system requirements.
- Interfaces to assistance systems, remote access as well as for the environment recognition.

Project support / project management on customer's site

- Project management on site with the customer.
- Coordination of the time schedules of the prototype, pre-series and SOP.
- Coordination of the system requirements on site with the customer.
- Coordination of the individual HYDAC divisions (Software + elec. architecture / hydraulics / cooling / accumulators / etc.) to realise an overall project.

Assist customer with Commissioning, Optimisation und System analysis at the customer's site

- Commissioning and test of machine system and software.
- Optimisation of the entire system and its functionality in the vehicle.
- Troubleshooting on the customer's site (error storage, CAN data analysis, etc.).

The Candidate:

To succeed in this role, you should have at least attained the equivalent skills required through many years of work experience in the hydraulics industry working with mobile machine systems. Although it is primarily a technical role, you should also find it interesting and stimulating to work directly with customers and should have some prior experience with this. Furthermore, you should possess the following skills:

- Knowledge of the drive technology of mobile machines.
- Knowledge of electrics /electronics (and, if possible knowledge of hydraulic drive systems).
- University degree in mechatronics or electrical/ electronic engineering or control technology or in construction machine or agricultural machine engineering (or similar).
- Functional Safety.
- Basic comprehension of programming.
- Professional experience at an OEM with mobile machines.

HYDAC are offering a competitive salary plus excellent company benefits.

If you are interested in applying for the above position please forward a covering letter and CV, including salary expectation, to recruitment@hydac.co.uk quoting the reference 'System01'.