

Eprdv-engineering Co. & Ltd, Germany

Email: abd-ellah.abo-hegab@eprdv-engineering.com

Url: www.eprdv-engineering.com

Design & Engineering Solutions through Science

There are jobs. There are careers.

All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

Email your cover letter, resume, and salary requirements to:
Germany:

resume@eprdv-engineering.com

Add subject line: Jobs

No phone calls or agencies please.

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Our Details:

Eprdv-engineering Co. & Ltd, Germany (www.eprdv-engineering.com) is seeking highly motivated: Solar Photovoltaic Installer to join our team. If you are interested to be a Solar Photovoltaic Installer or you are a Solar Photovoltaic Installer and are eager to become a skilled Solar Photovoltaic Installer by improving your skills and learning new ones, this is your chance to launch your career!

In addition to consistent work, top pay, and employment opportunities, we provide a benefits package that is among the best in the industry. Our comprehensive benefits encourage our employees and their families to build a lifelong relationship with us.

- Vacation Pay
- Health insurance
- Dental and vision plan
- Prescription drug plan
- Life insurance
- Short-term disability
- 401(k) profit-sharing savings plan
- Incentive programs
- Tool purchase programs

Job Title: Mechanical/Senior Mechanical Engineer

Location: Germany

Position summary:

Eprdv-engineering Co. Ltd, Germany is seeking a highly-skilled and experienced engineer to join a talented, multidisciplinary team developing precision vacuum pressure measurement instruments for the semiconductor, medical, and industrial equipment markets. Key activities will include developing precision instruments based on new sensors and sensing technologies. This is an exciting opportunity to work for a rapidly growing industry leader as part of a world-class development team.

Specific responsibilities:

- Lead the design process for assigned projects, with full responsibility for the mechanical design, development and release
- Develop new instrument mechanical architectures to support next-generation designs
- Develop sensor packaging designs, including precision thermal control and electronics integration
- Perform 3D thermal and mechanical analysis to support designs

Specific requirements:

- BS - Bachelor's degree (MS or higher preferred) in Mechanical Engineering with 5+ years of highly-relevant experience preferred. Candidates possessing the necessary skills but less experience will be considered for a non-senior Mechanical Engineer role
- Strong background in design of electro-mechanical instruments, thermal systems, and electronics packaging
- Experience with 3D thermal and mechanical simulations, preferably with ANSYS and COMSOL
- Solid analytical skills with a demonstrated track record of solving challenging problems using a variety of tools and techniques
- Knowledgeable in design for plastic injection molding and sheet metal fabrication
- Hands-on engineering skills, capable of test development, setup, and execution
- Experience designing products for mid- or high-volume production processes, good understanding of manufacturing systems and documentation control, BOM structures, and ECO processes
- Experience with vacuum or pressure systems, sensors and instrumentation strongly desired Semiconductor capital equipment, automotive, medical or other high-reliability experience a plus
- Excellent written and verbal communication skills, good customer-interaction skills, comfortable managing project teams
- The person must be self-motivated, have an intense customer focus, and work well as part of a team

Job Title: Aerodynamics Engineer - Multiple Levels Available

Location: Germany

Position summary:

The Aerodynamics Engineer will support the optimization of the aerodynamic characteristics of the tasks. Aerodynamics plays a much more important role as example for electric vehicles than conventional cars, and a higher level of aerodynamic optimization is required, not only for efficiency, but for wind noise and refinement as well. This enhanced priority empowers the aerodynamicists to push boundaries farther, while also demanding that performance is both validated and robust for vehicles in-service. Achieving this requires working very closely with the Design group, and cross functional engineering groups, ensuring that maximum performance is achieved with minimal compromise to other attributes.

Day-to-day activities involve generating design ideas, creating digital geometry, developing the idea through CFD simulations, in partnership with the Design team and other Engineering functions, then progressing through bench, wind tunnel, or track testing, and following through to implementation as example on vehicles at the factory. The open and meritocratic development environment at Tasks allows for much greater opportunities for an Aerodynamicist to define their own role: If you can think of a way of making as example the vehicles better, or of improving the development process, then you are empowered to champion and develop that idea, and to see it implemented, unencumbered by the inertia of established procedures.

Essential Duties/Responsibilities:

Typical duties may include but are not limited to the following:

- Provide guidance and support to the Design group for optimal aerodynamic performance.
- Generate, develop, and validate novel airflow management features and systems.
- Work with engineering, suppliers, and program management to ensure optimum solutions, and that the design intent is maintained to production.
- Identify and develop creative solutions to resolve engineering/styling/aerodynamic conflicts.
- Innovate, develop and improve processes.
- Prepare Computational Fluid Dynamics (CFD) simulations, post-process the results, and communicate the learning to other groups.
- Prepare for, and conduct, model scale and full scale wind tunnel tests, and provide feedback to the design & engineering groups.

Physical Requirements:

- Bachelor's degree or post-graduate qualification, or background in aerodynamic design and optimization or a qualification in aerodynamics, aerospace engineering, aeronautical engineering, physics, or mechanical engineering. Alternatively, the equivalent in experience and evidence of exceptional ability.
- An exceptional understanding of, and intuition for, fluid dynamics.
- An excellent knowledge of CFD, using either continuum or Lattice-Boltzmann methods.

- Knowledge of surface mesh preparation using ANSA, Hypermesh, or Star CCM+ would be an advantage.
- Familiarity with geometry creation, simplification and data management within CAD software, preferably CATIA
- Experience with wind tunnel testing, either at model scale or full scale.
- Experience of track testing, including instrumentation, data acquisition and processing.
- A passion for sustainable energy or related technologies, automotive or electric vehicle development.

Job Title: Technical sales engineer

Location: Germany

Position summary:

Science and engineering graduates with communication and sales skills face good prospects as the demand for technical sales engineers increases

As a technical sales engineer, you'll use your technical knowledge along with sales skills to provide advice and support on a range of products, for which a certain level of expertise is needed.

You'll assist colleagues with bids and tenders for new clients from a technical perspective.

Clients are usually technical staff from non-retail organisations, such as factories, public utility providers, local authorities and hospitals.

The emphasis of the work varies depending on the level of technical knowledge needed to sell a particular product or service.

Technical sales engineers are a key point of contact for clients and provide both pre and after-sales advice. You'll liaise regularly with other members of the sales team and colleagues from a range of departments, such as:

- design
- development
- production
- purchasing
- quality
- research
- senior company managers.

Responsibilities:

As a technical sales engineer, you'll need to:

- search for new clients who might benefit from company products or services and maximise client potential in designated regions
- develop long-term relationships with clients, through managing and interpreting their requirements
- persuade clients that a product or service best satisfies their needs in terms of quality, price and delivery
- negotiate tender and contract terms and conditions to meet both client and company needs
- calculate client quotations and administer client accounts
- provide pre-sales technical assistance and product education
- work on after-sales support services and provide technical back up as required
- arrange and carry out product training
- analyse costs and sales
- prepare reports for head office and keep customer records
- meet regular sales targets and coordinate sales projects

- support marketing activities by attending trade shows, conferences and other marketing events
- make technical presentations and demonstrate how a product meets client needs
- liaise with other members of the sales team and other technical experts
- help in the design of custom-made products
- provide training and produce support material for other members of the sales team.

Requirements:

- Technical sales engineers usually split their time between the office and visiting clients.
- Positions occur throughout the Germany, particularly where manufacturing companies are concentrated. If you are employed by an international company, you are likely to have greater opportunities to work abroad.
- Self-employment (contracting for several companies), is a viable option for successful and experienced technical sales engineers. Freelancing may be easier if you have established and developed contacts in the wider business sector.
- Relocation may be necessary for some jobs, although new technology has made communications easier.
- Your ability to bring in work will affect the success of the company, so you are likely to be judged on results. Demands to meet sales targets and profit margins may create a pressurised work environment. Competition between businesses is often intense.
- Travel to and from client companies, trade shows and conferences will extend the working day. Client visits usually occur on a weekly basis.
- If you work internationally, monthly trips abroad are typically required.

Job Title: Project Manager

Location: Germany

Position summary:

A project manager is a person who has the overall responsibility for the successful initiation, planning, design, execution, monitoring, controlling and closure of a project. Construction, petrochemical, architecture, information technology and many different industries that produce products and services use this job title.

The project manager must have a combination of skills including an ability to ask penetrating questions, detect unstated assumptions and resolve conflicts, as well as more general management skills.

Key among a project manager's duties is the recognition that risk directly impacts the likelihood of success and that this risk must be both formally and informally measured throughout the lifetime of a project.

Risks arise from uncertainty, and the successful project manager is the one who focuses on this as their primary concern. Most of the issues that impact a project result in one way or another from risk. A good project manager can lessen risk significantly, often by adhering to a policy of open communication, ensuring every significant participant has an opportunity to express opinions and concerns.

A project manager is a person who is responsible for making decisions, both large and small. The project manager should make sure they control risk and minimise uncertainty. Every decision the project manager makes must directly benefit their project.

Project managers use project management software, such as Microsoft Project, to organise their tasks and workforce. These software packages allow project managers to produce reports and charts in a few minutes, compared with the several hours it can take if they do it by hand.

Responsibilities:

The role of the project manager encompasses many activities including:

- Planning and Defining Scope
- Activity Planning and Sequencing
- Resource Planning
- Developing Schedules
- Time Estimating
- Cost Estimating
- Developing a Budget
- Documentation
- Creating Charts and Schedules
- Risk Analysis
- Managing Risks and Issues
- Monitoring and Reporting Progress
- Team Leadership
- Strategic Influencing
- Business Partnering

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- Working with Vendors
- Scalability, Interoperability and Portability Analysis
- Controlling Quality
- Benefits Realisation

Job Title: CFD-Computational Fluid Dynamics Engineer

Location: Germany

Position summary:

The Design Analysis Group at eprdv-engineering Co.ltd. is looking for a CFD (Computational Fluid Dynamics) engineer to improve the design of marine engines, drive systems, and vessels for optimized fluid flow and heat transfer using computational fluid dynamics software. .

Responsibilities:

- The analyst will be responsible for optimizing the flow and heat transfer of internal combustion engine components as well as modeling boat hull drag, propeller performance, and cavitation.
- Must be able to work independently when needed to develop solutions with little supervision. Must also be able to work well with cross-functional groups.
- The analyst will work closely with design engineers to help provide design inputs that will improve the product.
- The analyst will work closely with test engineers to specify testing and instrumentation needed to validate results and new methods.

Required Qualifications:

- Minimum Bachelors Degree in Mechanical Engineering or equivalent.
- Strong understanding of fluid mechanics, thermodynamics, and heat transfer
- Exposure to numerical methods and engineering analysis
- Entry level, new college graduate will be considered

Preferred Qualifications:

- Masters Degree in Mechanical Engineering with specialty in fluid dynamics, heat transfer, or internal combustion engines.
- 5 years experience in Mechanical Engineering.
- 5 years experience with intake and catalyzed exhaust systems, 2-phase (air/water) flows, cavitation and moving mesh simulations.
- 5+ years experience performing CFD analysis using StarCCM+ and/or ANSYS FLUENT software.
- Experience with Converge CFD for in-cylinder analysis is a plus
- Experience with GT-Power for engine performance development is a plus
- Experience with Pro-E Creo is a plus.
- Experience with ANSYS Space Claim and ICEM-CFD is a plus.

Job Title: Mechanical engineer-EEM (Finite Element Modeling)

Location: Germany

Position summary:

At eprdv-engineering Co.LtD, it's not enough just to make revolutionary products. We also strive to be a great place to work. We demonstrate our commitment to our employees through a variety of perks that focus on health and wellness, such as a generous PTO plan, excellent insurance benefits, and our guiding values of innovation, earning trust and doing the right thing. We also offer an employee stock purchase program and annual health fairs where employees can get flu shots and biometric screenings. Personal development is encouraged through our learning and development courses and tuition contribution program. Although our products are sold to semi-conductor industry leaders around the globe, they are researched, designed and manufactured in our facilities. Every employee of eprdv-engineering Co.LtD, plays a role in creating and supporting these amazing products.

Responsibilities:

- Responsible for thermo-mechanical Finite Element Modeling (FEM) including linear and non-linear simulation for mechanical design of springs and probe card assemblies.
- Validate simulations with characterization tools and design of experiments. Hands on work with reliability group for failure analysis.
- Manage and support the maintenance of simulation software and hardware. Document and archive FEM reports

Required Qualifications:

- Ph.D. in in Mechanical Engineering or related field.
- Experience performing thermo-mechanical simulations within the MEMS/Mechanical industry.
- Demonstrated proficiency with mechanical simulation tool including ANSYS and SolidWorks modeling software.
- Experience with statistical data analysis and design of experiment.
- Able to work with multifunctional product development teams to improve and optimize product performance.
- Able to work efficiently in a fast paced environment and respond to design requirements, as well as coordinate and communicate FEM activity status with management, project team members, and customers

Job Title: QA Engineer

Location: Germany

Position summary:

This QA Engineer job description template is optimized for posting a software quality assurance job description on online job boards. Easily customize this depending on your company's quality assurance needs.

Responsibilities:

- Review requirements, specifications and technical design documents to provide timely and meaningful feedback
- Create detailed, comprehensive and well-structured test plans and test cases
- Estimate, prioritize, plan and coordinate testing activities
- Design, develop and execute automation scripts using open source tools
- Identify, record, document thoroughly and track bugs
- Perform thorough regression testing when bugs are resolved
- Develop and apply testing processes for new and existing products to meet client needs
- Liaise with internal teams (e.g. developers and product managers) to identify system requirements
- Monitor debugging process results
- Investigate the causes of non-conforming software and train users to implement solutions
- Track quality assurance metrics, like defect densities and open defect counts
- Stay up-to-date with new testing tools and test strategies

Requirements

- Proven work experience in software development
- Proven work experience in software quality assurance
- Strong knowledge of software QA methodologies, tools and processes
- Experience in writing clear, concise and comprehensive test plans and test cases
- Hands-on experience with both white box and black box testing
- Hands-on experience with automated testing tools
- Solid knowledge of SQL and scripting
- Experience working in an Agile/Scrum development process
- Experience with performance and/or security testing is a plus
- BS/MS degree in Computer Science, Engineering or a related subject