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Change History				
Employee Code	Last Modified	Document Version	Chapter	Change Note
CEN18800046	30/08/2026	CEN188V1.001	all	document creation

Junior Test Engineer – HV System and Components (Environmental and Safety Tests) **高压系统与零部件初级测试工程师（环境测试与安全测试）**

Working place: Tianjin

Recruiting number:1

Role overview

As a Junior Test Engineer for HV system and component tests, you will support environmental and safety testing of high-voltage components and systems for battery electric and plug-in hybrid vehicles. Working under the guidance of senior engineers, you will personally execute environmental and safety tests according to DIN and ISO standards, analyze results and author English test reports, and assist in test preparation and in operating and maintaining the laboratory equipment. You will actively learn test standards, methods and equipment, collaborate closely with development teams, and help ensure that all test activities comply with applicable standards and customer specifications.

Key Responsibilities

- Support the preparation of test plans and test specifications for environmental and safety tests according to DIN and ISO standards under the guidance of senior engineers.
- Assist in the definition of test cases and test sequences based on standards and customer specifications.
- Operate and maintain test equipment and laboratory infrastructure, and prepare specimens and test setups.
- Personally execute environmental tests and safety tests according to the given test plan and DIN/ISO standards.
- Analyze test results and measurement data, document failures and deviations and support root cause analysis together with development teams.
- Write precise and traceable English test reports and test documentation.
- Document and track issues in the bug tracking system and follow up on their status.
- Actively learn test standards, methods and equipment, and continuously build up technical competence in HV testing.

Qualifications & Requirements

Education

- Bachelor's degree or Master's degree in Electrical Engineering, Automotive Engineering, Mechatronics or a related field.
- Excellent fresh graduates with English as a working language are also welcome.

Professional Experience

- Graduation from university plus approximately 1 year of professional experience in testing of components or systems; the ability to personally execute hands-on tests is mandatory; internship or working student experience with an EV/PHEV OEM or Tier 1 supplier is preferred.
- First hands-on experience in test execution, results analysis and documentation; initial exposure to environmental or HV safety testing according to DIN/ISO standards is a plus.
- Willing and able to travel for test campaigns on specific road sections and at test sites in the surrounding regions.

Technical & Tool Proficiency

- Good knowledge of test and measurement fundamentals for components and systems.
- Basic knowledge of environmental and safety test standards (e.g., ISO 16750, DIN EN 60068, ISO 6469) and willingness to deepen this knowledge.
- Basic programming/scripting skills (e.g., Python) to support test sequences and data analysis.
- Basic understanding of HV safety principles and laboratory safety regulations.
- Familiar with measurement equipment and data loggers; good command of MS Office.
- Careful and structured documentation habits; first experience with test management tools is a plus.

Language Proficiency

- Native proficiency in Chinese.
- Good command of written English is mandatory: able to read English technical documents and standards and to independently create English test reports; fluent spoken English is a plus but not a hard requirement.
- German language skills are a strong plus.

Core Competencies

- Good analytical and systems thinking ability to structure test scopes and analyze results.
- Structured working style, highly detail-oriented with strict standards for design quality and technical accuracy.
- Good communication and coordination skills to collaborate effectively with internal teams.
- Proactive problem-solving mindset, able to identify questions and drive resolution together with senior engineers.
- Highly motivated, fast learner with an open mindset, able to manage multiple priorities in a fast-paced environment.

We are looking forward to your application! Please send us your complete application file in English mentioning your earliest possible entry date by e-mail to: careers@cenergy.asia

工作地点: 天津

招聘人数: 1 人

岗位概述

作为高压系统与零部件初级测试工程师，你将在资深工程师的指导下，参与纯电动及插电混动汽车高压零部件与系统的环境测试与安全测试工作。你将依据 DIN 与 ISO 标准亲自执行环境与安全测试，分析结果并撰写英文测试报告，并协助测试准备及实验室设备的操作与维护。你将快速学习测试标准、方法与设备使用，与开发团队紧密协作，协助确保所有测试活动符合适用标准与客户规范。

主要工作职责

- 在资深工程师指导下，参与依据 DIN 与 ISO 标准的环境测试与安全测试的测试计划与测试规范编制。
- 协助基于标准与客户规范定义测试用例与测试序列。
- 操作并维护测试设备与实验室基础设施，准备样件与测试台架。
- 根据给定的测试计划及 DIN/ISO 标准，亲自执行环境测试与安全测试。
- 分析测试结果与测量数据，记录故障与偏差，并与开发团队一起参与根本原因分析。
- 撰写准确、可追溯的英文测试报告与测试文档。
- 在缺陷跟踪系统中记录并跟踪问题，跟进问题状态。
- 积极学习测试标准、方法与设备使用，持续提升高压测试方面的专业技术能力。

任职资格与要求

教育背景

- 电气工程、汽车工程、机电一体化或相关专业本科及以上学历。
- 能将英语作为工作语言的优秀应届毕业生也可投递。

专业经验

- 相关专业本科毕业，并具备约 1 年零部件或系统测试领域工程经验；必须能够亲自开展动手测试；有纯电动/插电混动车企或一级供应商实习或学生工经历者优先。
- 具备测试执行、结果分析与文档编写的初步实践经验；有按 DIN/ISO 标准开展环境测试或高压安全测试的初步接触经历者优先。
- 愿意并能够接受周边区域特定路段及试验场地的测试出差安排。

专业技能与工具能力

- 较好掌握零部件与系统测试及测量技术的基础知识。
- 基本了解环境与安全测试标准（如 ISO 16750、DIN EN 60068、ISO 6469），并愿意深入学习。
- 具备基础的编程/脚本能力（如 Python），可支持测试序列与数据分析工作。
- 基本了解高压安全原理与实验室安全法规。
- 会使用测量设备与数据记录仪，熟练使用 MS Office。
- 细致、结构化的文档记录习惯；有测试管理工具使用经验者优先。

语言能力

- 中文母语水平，听说读写流利。

- 必须具备良好的英语读写能力：能够阅读英文技术文档与标准，并独立撰写英文测试报告；英语口语流利为加分项，不作硬性要求。
- 具备德语能力者优先。

核心胜任力

- 良好的分析与系统思维能力，能够组织测试范围并分析结果。
- 工作方式结构化，注重细节，对设计质量与技术准确性有严格标准。
- 良好的沟通协调能力，可与内部团队高效协作。
- 积极主动的问题解决思维，能在资深工程师支持下识别问题并推动解决。
- 自驱力强，学习速度快，心态开放，能在快节奏环境中管理多项优先级任务。

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careers@cenergy.asia