



Position Description

Application Engineer – NVH Driving Simulators VI-grade

Primary Location

1. Preferably, Udine, Italy or Turin, Italy
2. Alternatively, Millbrook, UK
3. Alternatively, Germany

Job Status

Full-time

Purpose

The overall purpose of this role is to connect the customer to the NVH driving simulator technology, to demonstrate the value of the technology and solutions through examples, demos and real-world applications, and to facilitate the implementation and use of the technology and solutions by the customer.

Employment Function Summary

Support VI-grade driving simulator solutions and business, with particular focus on NVH (Noise, Vibration Harshness) solutions. This role includes a high degree of customer interaction for customer-facing technical support, demonstrations, project execution and training for NVH simulator solutions and multi-attribute simulators with NVH content, as well as working with the product development team to identify product improvements and opportunities for new solutions.

Main Tasks

- Perform technical demonstrations
- Work with sales to close strategic sales
- Provide technical support on all NVH products and solutions
- Train customers on NVH solutions, including source path contribution and other related technologies
- Assist customers to integrate NVH Simulator technology into their processes
- Develop and present customer seminars on NVH solutions at NVH events and trade conferences
- Work with the product development team to resolve technical issues in software and hardware
- Identify new sales opportunities that may arise from customer contact during support and training
- Identify opportunities for product improvement, both in the NVH solutions as well as in combining solutions from other VI-grade technologies
- Work together with product development team to define and create new and improved solutions, bring the voice of the customer into the product development process
- Internal training of engineering, service and sales staff
- Attain and maintain a high level of technical proficiency in VI-grade automotive simulator applications
- Support integrated multi-attribute simulator solutions including NVH components

Qualifications/Skills Required

- BS (MS preferred) in engineering or scientific field
- 5 years' experience in automotive NVH is preferred
- Fluent in English
- Experience and familiarity with the automotive NVH design process
- Experience in hands-on NVH problem solving
- Experience with advanced NVH techniques, e.g., source-path-contribution (transfer path analysis), sound quality, jury evaluation, hybrid experimental-analytical modelling
- Familiarity with NVH CAE techniques including FEA, SEA, CFD, MBD, 1-D modelling
- Hands-on experience with full-vehicle NVH instrumentation and testing, and familiarity with current NVH instrumentation, measurement and analysis best practices
- NVH-related experience and knowledge of electrified vehicle powertrains

We offer

The job will provide you with an opportunity to further your career alongside some of the best and most passionate technology experts from around the world in a leading company within automotive simulator industry. You will be a key contributor who collaborates closely with colleagues from various business functions all over the world. You will be at the forefront of bringing game-changing technology to the NVH field.

You will be the key customer-facing technical leader in the EU and UK for VI-grade. VI-grade also has an innovation center in Udine, Italy, along with key technical personnel in other locations in Europe, Asia and the United States. You will be a key contributor who collaborates closely with colleagues from various business functions all over the world, in addition to working with the some of the largest automotive companies in the world.

Freedom to innovate with responsibility is the framework for VI-grade's employees. This allows for a good balance between work and family life and for constant development of professional and personal skills in an international and enjoyable working environment.

Our company – VI-grade

VI-grade is a leading provider of real-time simulation and professional driving simulator solutions that accelerate product development across the transportation industry. The company's driving simulators range from static desk-side solutions to full-scale driver-in-the-loop dynamic simulators, allowing OEMs, suppliers, research centers, motorsport teams and universities to reduce physical prototypes and accelerate innovation. With a worldwide network of trusted partners, VI-grade delivers turnkey simulator solutions including proprietary software, hardware, services, and an open framework for customization. With over 30 years' experience in simulation, VI-grade is headquartered in Darmstadt, Germany with technology centers in Italy, UK, Japan, China, and the USA.

VI-grade is part of HBK's Virtual Test Division, which focuses on providing real-time software, simulator, and hardware-in-the-loop solutions to virtually test products throughout the development cycle, helping companies accelerate innovation and reduce time-to-market, and improve their competitive advantage. With 250 highly skilled employees, HBK's Virtual Test Division has offices in Germany, Italy, France, UK, China, Japan, and the USA as well as a broad network of worldwide channel partners.

Since September 2018, VI-grade has been part of Spectris plc. The firm conducts business in four major segments - materials analysis, testing & measurement, in-line instrumentation and industrial controls - and serves a broad range of industries ranging from automotive and aerospace to electronics, energy, mining and pharmaceuticals.

To Apply:

Go to https://spectris.wd3.myworkdayjobs.com/HBK_Careers/job/Torino-IT/NVH-Application-Engineer_8170