Position Description
Product Manager – HIL
VI-grade

Location (order of preference): Canton, MI USA; Torino, Italy; Darmstadt, Germany; Pompano Beach, FL, USA

Purpose
The overall purpose of this role is to lead and ensure the success of the VI-grade Hardware-in-the-Loop (HIL) solutions through providing extraordinary value to users and customers and helping them to achieve their vision.

Employment Function Summary
The core functions of this role are to understand market needs for HIL applications, especially with regards to HIL used in the context of driving simulators and simulation. You will develop the vision and roadmap, work with the VI-grade technical and sales teams, Concurrent Real-Time technical team, partners and suppliers to provide valuable, needed solutions to our customers, and meet the business goals for VI-grade HIL.

Main Tasks
- Understand customer and market problems and needs through direct interaction for HIL applications
- Assess and understand the competitive landscape
- Develop the vision, messaging and roadmap for the VI-grade HIL products and solutions
- Support the business plan development related to the VI-grade HIL solutions
- Develop and manage partner relationships related to VI-Grade HIL solutions
- Manage pricing for HIL solutions and products
- Manage the product lifecycle
- Translate customer needs and market problems into Epics, Features and User Stories for use in product development
- Provide sales support through sales presentations and collateral, demonstration templates and demonstration data, and a central source for all sales and marketing material and literature
- Ensure marketing materials embody and convey the vision and messaging of the VI-grade HIL solutions
- Own the customer journey and customer experience

Qualifications/Skills Required
- BS (MS preferred) in engineering, scientific, computer science or technical field
- 5 years' experience in hardware-in-the-loop systems and applications, or related fields
- Familiar with ECU programming, ADAS and EV technology
- Familiarity with HiL technology components, including ECU, EtherCat, Flexray, CAN, CAN FD, LIN
- Familiarity with the HIL market, including DSpace, NI, VECTOR, ETAS, Speedgoat, Typhoon HiL
- Experience and familiarity with agile development methods
- Experience in product management
- Fluent in English

VI-grade Hardware-in-the-loop

VI-grade is uniquely positioned to offer hard-real-time hardware-in-the-loop simulators, especially when used in conjunction with real-time driver-in-the-loop driving simulators. VI-grade HIL solutions are based on the AutoHawk platform, powered by Concurrent Real-Time. AutoHawk consists of real-time hardware, real-time OS, real-time software and I/O cards and is highly configurable using VI-grade real-time software and/or 3rd party software. AutoHawk is a flexible HiL platform that can be used across the entire product development cycle, from concept to sign-off.

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 at the forefront of bringing game-changing technology to the automotive field.

You will be the product leader for the VI-grade HIL solutions reporting to the VI-grade Director of Product Management. VI-grade has an innovation center in Udine, Italy, along with key technical personnel and SimCenters 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 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 deskside 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, simulators, 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:

Please submit your CV to careers@vi-grade.com along with a cover letter.