



# Visteon®

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**Requisition Number:** 12744

**Post Date:** June 16, 2017

**Title:** Vision Hardware (HW) and Software (SW) Technical Lead

**City:** Karlsruhe

**Country:** Germany

**Description:** Vision HW and SW Technical Lead – Karlsruhe, Germany

### About Visteon

Visteon is a global technology company that designs, engineers and manufactures innovative cockpit electronics products and connected car solutions for most of the world's major vehicle manufacturers. Visteon is a leading provider of instrument clusters, head-up displays, information displays, infotainment, audio systems, telematics and SmartCore™ cockpit domain controllers. Visteon also supplies embedded multimedia and smartphone connectivity software solutions to the global automotive industry. Headquartered in Van Buren Township, Michigan, Visteon has approximately 10,000 employees at more than 40 facilities in 19 countries. Visteon had sales of \$3.16 billion in 2016. Learn more at [www.visteon.com](http://www.visteon.com).

Visteon is an equal opportunity employer committed to a culturally diverse workforce.

### Our Vision

A top-three cockpit electronics player delivering a rich, connected cockpit experience for every car from luxury to entry

## VISION HARDWARE AND SOFTWARE TECHNICAL LEAD – KARLSRUHE, GERMANY

### Primary Responsibilities

The vision hardware and software technical lead is responsible for porting of vision algorithms into hardware. This requires a clear understanding of the hardware platform, the algorithms and the methods to make the algorithms work on the hardware as optimally as possible.

### Typical Duties

- Responsible for development and maintenance of computer vision tool chain used for autonomous driving
- Good understanding of the fundamentals of computer vision
- Proficiency in libraries like OpenCV, BLASS, OpenMP and Softwares like ROS
- Should be comfortable in using simulation environments like CarMaker
- Proficiency in C++ is mandatory, along with one scripting language (either Python or Matlab)

- Should have experience in object detection, SLAM, visual odometry, SFM and cross traffic alert
- Perform code reviews, subversion and document the code base
- Support the porting of the code into hardware

### **Requirements**

**Years of Experience:** Three to five years as a vision software developer

**Degree Strongly Preferred:** Master's degree in computer science or electrical engineering

### **Desired Competencies/Experience**

- Must have experience in the automotive domain
- Must like developing algorithms which work real time on a low power hardware
- Should be aware of the major computer vision and pattern recognition journals and conferences

### **Special Requirements**

Limited amount of travelling required.

### **Apply for this Position**

If you are interested in applying for this position, send your resume to [pross1@visteon.com](mailto:pross1@visteon.com), and include the requisition number in the subject of your email.