



# Visteon®

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**Requisition Number:** 13653

**Post Date:** June 30, 2017

**Title:** ADAS Vehicle Test Engineer

**City:** Karlsruhe

**Country:** Germany

**Description:** ADAS Vehicle Test Engineer – 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

## ADAS VEHICLE TEST ENGINEER – KARLSRUHE, GERMANY

### Primary Responsibilities

We are developing driver assistance and autonomous driving systems for both, research vehicles and mass production. For our research center in Karlsruhe, Germany, we are looking for excellent engineering candidates with expertise in algorithm design and implementation, automated driving, situation analysis, or robotics. The position will be part of a co-located team and involves research on full-size operational vehicles as well as collaboration with other research institutes.

### Typical Duties

- Responsible for development of the planning and situation analysis algorithms in systems such as adaptive cruise control, lane keeping, autonomous driving and emergency breaking
- Development and implementation of tools for testing and simulation of autonomous vehicle systems
- Support in code reviews, subversion, and documentation of the code base

## Requirements

**Degree Strongly Preferred:** PhD or master's degree with equivalent work experience in mathematics, computer science, electrical engineering or related field

## Desired Competencies/Experience

- Ability to understand and discuss complex algorithms and to multitask work packages
- Must have experience with automotive algorithm and functional software development
- Proficiency in C/C++ is mandatory, along with one scripting language (either Python or Matlab)
- Good mathematical background, preferably numerical mathematics
- Should be aware of vehicle dynamics and intelligent vehicle conferences with emphasis on path planning and situation analysis
- Solid understanding of vehicle sensors (vision, Radar, Lidar, ADASIS), vehicle bus systems (CAN, Flexray), and automotive software development principles (ASIL) is a plus
- Experience with autonomous frameworks (ROS, ADTF, etc.) and simulation environments such as CarMaker or OpenDrive is a plus

## Special Requirements

Limited travelling will be expected.

## 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.