**Fast and Curious**

Development of a low-cost traffic flow measurement system

The aim of Fast and Curious was to develop a system. As a single device, it should be able to count vehicle drivers, categorize them and give a rough statement about its speed. As a system of devices, it should be possible to make a statistical statement about the driving behaviour of the recorded drivers. There were also surrounding conditions like deep costs and long term. The entire system should be operational in all weather conditions and could be placed at the roadside of a maximum two-lane road.

The system was developed and initial tests had been carried out. After this, it was tested for a period of several days. The number of traffic counts, the categorization and a time stamp of each vehicle driver was collected as raw data and stored in a feature vector. This vector was used to make quantitative statements about the speed and category of each vehicle. From this raw data, the traffic flow could be reconstructed in a limited area. This evaluation can be used to better plan, control and secure traffic in the area.