Data Fusion with Sensys Sensors for Traffic Management and Application

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Abstract

Sensys sensors give a good opportunity to us for the perception of dynamic traffic situation. We are using them as an advanced and efficient facility with new data fusion algorithm in our traffic management systems. These systems and new methods brought us a first prize of Science and Technology progress in Hefei as we implemented a demonstration system in the city. We also introduced Sensys sensors into Zhenzhou city as the base and key part of the first traffic information service platform of traffic police in Henan province, which get a great success.

Content

Part 1: The traffic flow and events is the core of the dynamic traffic data. There are different way to gain the data with their advantages and disadvantages.

Part 2: Introduction of our data fusion algorithm based on sensors, FCD and video detectors. Give a comparison of each method for reliability and the improved results based on data fusion.

Part 3: Introduction of the demonstration system in Hefei City

Part 4: Introduction of the first traffic information service platform and key role of Sensys sensors in the system.

Part 5: Brief of ASEC

Part 6: Suggestions for further usage of Sensys sensors