



Map open source vector data to high resolution 3D map

About Vricon

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We are searching for the best and brightest to join a culture that is open and flexible, inclusive and positive. We offer opportunities for growth and the ability to work with talented people who make a real difference for our clients. The majority of our research and development work is done in our Linköping office in Sweden, which employs about 40 engineers who work on cutting-edge technology to produce unparalleled, global, precise 3D geospatial data and software.

The Thesis

High resolution 3D maps could be necessary to use in flight simulators when flying near ground level. To enhance the simulation open source vector data could be used. This for instance to insert light poles, which is lit during night time. A third-party dataset with vector data does not necessarily align with the high resolution 3D map, and could for instance have a position and rotation offset.

This thesis should investigate techniques to align vector data to it's most trustworthy position in the 3D model (a bench could for instance not be positioned in the middle of the road).

Qualifications

Master of Science student with an interest in image registration techniques.

Contact

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