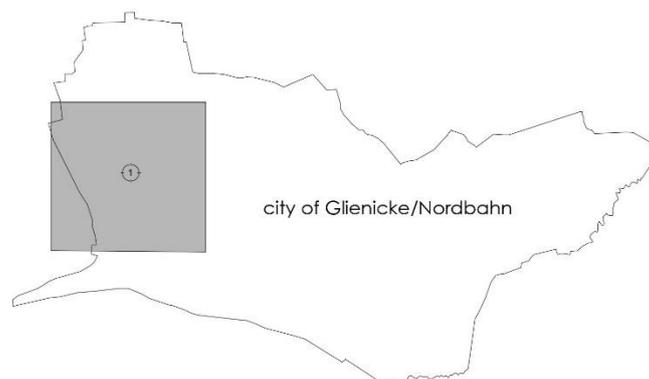
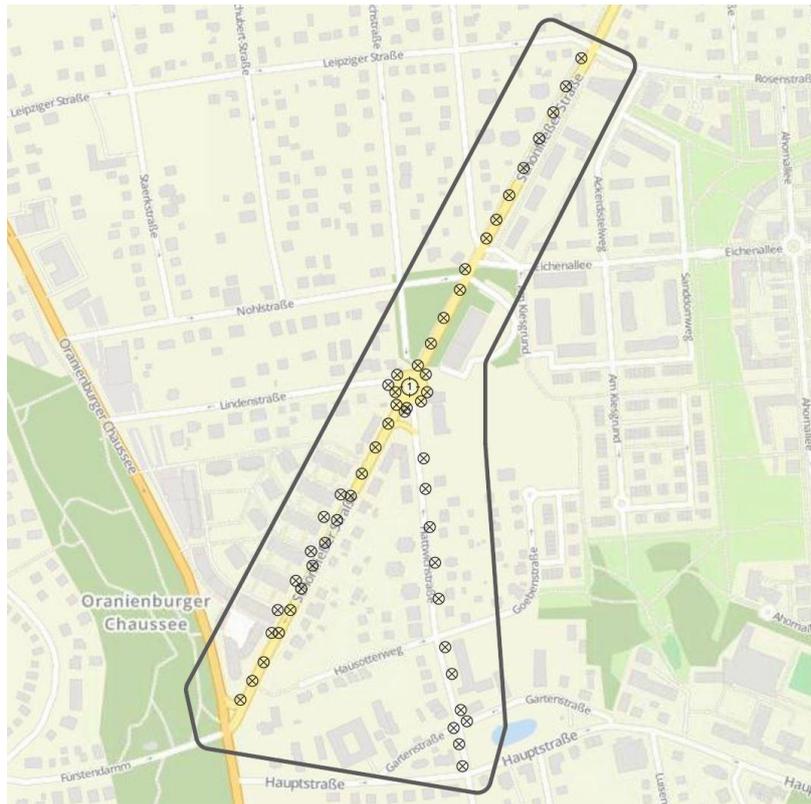


„Dynamic Light“ pilot installation in Glienicke/Nordbahn

SWARCO V.S.M. GmbH („SWARCO“) as partner in the “Dynamic Light” project plans to install a pilot in the city of Glienicke/Nordbahn, north of Berlin, Germany, in order carry out research on the effects of various scenarios of adaptive street lighting, reacting to the presence of cars, cyclists or pedestrians. The location of the city and of the planned pilot installation are shown in the following pictures.





So far, SWARCO finished the discussions with the city to carry out this research, and to agree on the specific streets for the installation. The city itself is interested to know, how much energy can be saved by applying traffic adaptive lighting, to experience different scenarios with varying dimming levels or with “moving light” (meaning full level only in areas close to the moving object), and to experience the public acceptance of this new lighting situation.

Therefore, SWARCO plans to run a program, in which dimming levels, reaction times, distances of bright zones to cars, cyclists or pedestrians etc. will be varied, and the results on energy consumption, on the quality of lighting (based on various indicators) and on public acceptance will be measured and analysed.

It is planned to install approx. 40 LED luminaires, combined with sensors for the detection of cars, cyclists or pedestrians. As the project still is in an early state, a decision of the type of sensors to be used, has not been taken so far.

By end of 2017, the installation is planned to be completed, while the measurements, adjustments, the stakeholder survey, analysis and final recommendations will be done during 2018. The results of the research will be of interest to lighting experts, but also to urban planners and to the city of Glienicke/Nordbahn itself, which intends to use the findings as basis for a lighting master plan for the entire city.



Matthias Hessling, 4 April 2017