



# HANSEATIC CITY OF ROSTOCK

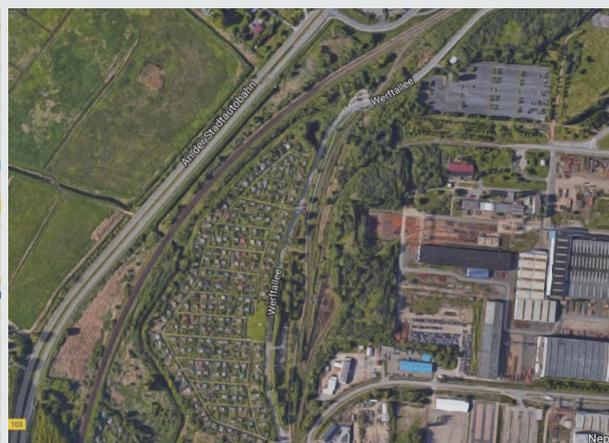
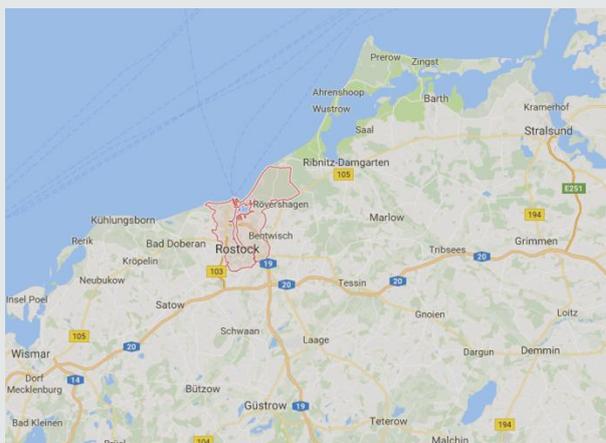
## Pilot action factsheet

<b>Pilot action name</b>	Pilot installation “Werftallee”
<b>Implementing organisation</b>	Hanseatic City of Rostock
<b>Start of construction works</b>	3 <sup>rd</sup> quarter 2018
<b>Delivery date</b>	4 <sup>th</sup> quarter 2018

### Location

The Hanseatic city of Rostock is located in the north-east of Germany. With 207.492 inhabitants (2016) it is the most populous city in the federal state of Mecklenburg-Western Pomerania. Rostock is classified both cultural and economic as a significant city in the south Baltic Sea area. The urban area stretches 16 kilometers along the river Warnow to the estuary mouth of the Baltic Sea. Rostock is characterized by its location by the sea, its harbor, a lively and cosmopolitan cultural scene and the University of Rostock.

To realize a dynamic lighting solution a foot and cycle path in the north-west of Rostock between the districts Groß Klein and Warnemünde was identified as location for the pilot installation.



## Strategic value of the selected location

A few years ago a pedestrian and cycle track with a length of 800 m was built along the “Werftallee” to connect the existing southern track with the train station “Warnemünde Werft”. The pedestrian and cycle path runs parallel to the main road. It is currently not illuminated. Due to various citizen requests and inquiries from the local council, the Hanseatic City of Rostock decided to illuminate the path with about 25 LED luminaires along the way. In association with the analysis of the user frequency of the path and the surrounding green area, the plant should be realized with a dynamic lighting solution.



## Relevant stakeholders, stakeholder needs and social aspects

The area is primarily used for walking and cycling. Therefore, it is mainly important to ensure a safe and simple movement on the path. The mobility was given by the construction of the track. In further interest the feeling of security has to be increased during dark hours.

The main stakeholders are residents of Groß Klein and Warnemünde as well as users of the allotment garden sites. But also roustabouts of the industrial area and tourists are important stakeholder groups.

## Lighting characteristics and technical approach

To meet the needs and to realize the dynamic aspect of the plant, a test implementation is planned in preparation of the pilot installation. Within the test implementation the functionality of radar and infrared sensors will be checked.

The results of the test implementation are basically for the planning of the bigger pilot solution. In addition to the sensor testing a web-based database will be used for the first time to control, check and configure the luminaires.

## Expected results

The Hanseatic City of Rostock wants to meet the citizen requests and to fulfil the social needs in consideration with economic and environmental aspects. Therefore dynamic lighting is a good solution to meet the different requirements.

In addition, the Hanseatic city of Rostock is planning a strong expansion of cycle paths. The aim of the pilot installation is to investigate the applicability of dynamic lighting solutions for resulting projects.