

## Sustainable Cities

Siemens Corporate Technology

Bernd Wachmann, Dr.

Nov. 2012

The Lighthouse project `Sustainable Cities` is a research initiative conducted by Siemens Corporate Technology, the R&D division within the Siemens Enterprise. The project is distributed in Europe, China and USA considering the regional trends and conditions and specifically addressing the growing need for resource efficient urban infrastructure.

Sustainability of a city requires economical prosperity, social stability and environmental friendliness, combined with a high quality of life, to achieve resource efficiency. Technologies play an important role in the context of realizing sustainability, and need to be aligned with the individual and city specific conditions and policies in order to unfold the full potential. Therefore the focus of the Lighthouse project lies in the development and pilot implementation of the technologies jointly with cities. Close interaction with the user of the technology is important to collect information about the requirements, optimal utilization, and procedure for embedding of the technologies smoothly and seamlessly in a city.

The technical focus of the Lighthouse project lies in the analysis of infrastructure utilization data, the management of the urban energy in a collective manner, and the development of new services to bring the technologies to a measureable benefit for the city.