



The LUCIA project provides municipalities with up-to-date knowledge of energy efficient urban lighting, covering aspects of environment, technology, economy and social acceptance.

Modern LED lighting has energy savings potential of up to 50%, compared to conventional systems.

To provide a tangible experience of its potential, innovative and energy efficient lighting solutions are installed in six cities across the Baltic Sea region.

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# LUCIA

## LIGHTING THE BALTIC SEA REGION

Cities accelerate the deployment of sustainable and smart urban lighting solutions

[www.lucia-project.eu](http://www.lucia-project.eu)

**LUCIA**



## CHALLENGES

Urban lighting plays an important role in city design. In fact, 60% of the overall energy consumed in urban areas is attributed to street lighting and other urban lighting, e.g. for infrastructure. Modern LED lighting has energy savings potential of 50% compared to conventional systems. Other functionalities, such as automatic adjustment of luminosity, additionally raise that potential.

Intelligent urban lighting solutions also contribute to providing liveable, safe and pleasant urban spaces. This is particularly important in cities around the Baltic Sea region due to long and dark winters.

Although technical solutions exist, they are to date not widely used in the region. Reasons include a lack of knowledge about latest technologies and challenges in managing expectations and interests, in the context of public participation processes. More so, municipalities still have a lack of experience with green public procurement.

## GOALS

LUCIA helps municipalities around the Baltic Sea region to unlock the enormous potential of energy efficient urban lighting solutions. To realise this, LUCIA partners will provide municipalities with state-of-the-art knowledge and introduce modern lighting solutions into urban planning in Baltic Sea region cities.



## OUTPUTS

- Pilot installations in six Baltic Sea region cities to showcase the potential of innovative urban lighting solutions (see map).
- Factsheets and reports for municipal decision makers and experts covering aspects of environment, technology, economy, social acceptance, urban planning and green public procurement.
- An online urban lighting centre for lighting experts to exchange experience regarding planning procedures and selection of urban lighting solutions.

## PROJECT PARTNERS

- Free and Hanseatic City of Hamburg, Borough of Altona, Germany
- Tallinn University of Technology, Estonia
- Posintra Ltd, Finland
- City of Porvoo, Finland
- Municipality of Tallinn, Estonia
- Riga Planning Region, Latvia
- Gate 21, Denmark
- Jurmala City Council, Latvia
- City of Göteborg, Sweden
- City of Albertslund, Denmark
- Peter the Great St. Petersburg Polytechnic University, Russia

