

DYNAMIC LIGHT

FOR SUSTAINABLE LIGHTING
SOLUTIONS IN EUROPE.
ADAPTIVE, PROACTIVE, USER CENTERED



WHAT WE DO

“Dynamic Light” develops dynamic light solutions with the aim to combine an improved quality of light with energy savings in public space. Organisations from 7 Central-European countries have formed a partnership with the objective to use and demonstrate the full potential of dynamic lighting in public areas. Until 2019 eight pilot installations based on innovative dynamic light concepts will be realised in the context of different lighting scenarios taking into account various user needs.



TAKING
COOPERATION
FORWARD

WHO WE ARE

Partners from 7 central European countries work together for sustainable lighting solutions.

Austria

- Spath Micro Electronic Design GmbH
- Foundation Güssing Castle
- European Center for Renewable Energy Güssing Ltd.

Croatia

- Town of Čakovec
- Medimurje Energy Agency Ltd.

Czech Republic

- PORSENNA n.g.o.
- Town of Sušice

Poland

- Poltegor-Institute

Slovenia

- Business Support Centre Ltd. Kranj

Parts of Germany

- University of Applied Sciences Wismar
- Deutsche Lichttechnische Gesellschaft e.V.
- SWARCO V.S.M. GmbH
- Hanseatic City of Rostock
- Ernst Moritz Arndt University of Greifswald

Parts of Italy

- Bruno Kessler Foundation
- Municipality of Cesena
- TEA SpA

Who funds us

CE452 Dynamic Light is funded by the Interreg CENTRAL EUROPE Programme that encourages cooperation on shared challenges in central Europe.

With 2.85 million Euro of funding from the European Regional Development Fund, the programme supports cross-border cooperation to improve public lighting in cities and regions in Austria, Croatia, Czech Republic, Germany, Italy, Poland and Slovenia.

More informations about the partners at www.interreg-central.eu/dynamic-light



DISCOVER MORE ABOUT
DYNAMIC LIGHT

www.interreg-central.eu/dynamic-light



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DYNAMIC LIGHT

The project will lay the foundations for more controllable and higher quality lighting solutions with enhanced visual performance and improved ambience and safety of urban environments across Europe.

www.interreg-central.eu/dynamic-light

FACTS AND FIGURES

17 Project partners

15 Outputs planned until May 2019

438.000 Investment value for involved regions in Euro



Outputs

Main outputs of the projects are 7 **tools**, 8 **strategies**, 8 **pilot actions** as well as 3 **transnational** and 7 **national training seminars**, produced to achieve the best relation between highly energy efficient public lighting infrastructure and quality of stay in urban areas through better light quality. The project outputs aim at the following results and outcomes:

- improved energy efficient lighting planning
- significantly reduced light pollution
- improved energy management within municipalities
- increased knowledge about energy efficiency of dynamic light & its social needs
- implementation of smart technical solutions in the area of dynamic lighting and adapting it to social needs
- enhanced acceptance for dynamic light solutions
- knowledge development concerning financial models, procurement rules and funding sources for public lighting
- definition of common standards for dynamic lighting and policy recommendations for harmonisation

Knowledge transfer will be achieved through demonstration pilot installations and trainings for municipal staff, urban and lighting designers as well as other interest groups.



STRATEGIES

The project will develop and implement 4 types of strategies to improve energy efficiency in public lighting, promote user-orientated dynamic lighting solutions with legal certainty and to facilitate the integration of dynamic lighting into the public lighting norms.

- Strategy to promote dynamic lighting in accordance with social demands and state of the art technology
- Strategies with action plans for city lighting and reducing light pollution for the municipalities of Cesena, Rostock, Sušice, Čakovec and Mantova
- Strategy to facilitate the integration of dynamic lighting into EN13201 and related regulations
- Strategy to facilitate the integration of dynamic lighting from a legal perspective

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TRAININGS

3 transnational and 7 national trainings for municipal staff, urban & light planners on planning and implementation of innovative lighting solutions.

Capacity building activities are planned for authorities in order to learn about the advantages and benefits of energy efficient dynamic lighting and how to apply in it practice. At 3 **transnational** trainings will educate municipal staff from the lighting and administration sector as well as urban planners and light designers how to integrate energy efficient lighting.

National trainings will provide a knowledge transfer of the developed strategies and action plans to stakeholders in the pilot areas. The trainings will be provided in national languages.

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TOOLS

Tools for municipal staff, urban planners, lighting designers and other interested groups.

In the scope of the project 7 tools for municipal staff, urban planners, lighting designers and other interested groups will be developed in form of manuals, guidelines and strategic planning of dynamic lighting using GIS data-bases. The manuals can be used as tools to assess lighting situations and to use the most appropriate technology under consideration of the social demands at different location scenarios. The other tools address factors for the transition to dynamic lighting technology such as strategic embedding, securing financing and training municipal staff.

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PILOT ACTIONS

Demonstration dynamic light installations at several selected areas in Central Europe.

- Ring Cakovec, Croatia introducing new lighting solutions on city centre streets
- Green area Mantova, Italy bio-dynamic public lighting in a green area in Mantova
- Glienicke/Nordbahn, Germany upgrading of existing street lighting infrastructure
- Zuccherificio Cesena, Italy updating public lighting in a park area
- Gorenjska region, Slovenia installation of dynamic lighting in touristic, industrial and natural park areas in small municipalities
- Town of Sušice, Czech Republic lighting design and reconstruction of historical town center
- City of Rostock, Germany a small-scale dynamic lighting solution for cycle paths
- Castle Güssing, Austria innovative lighting concept for the Castle of Güssing

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