

REDUCING CO₂ EMISSIONS OF PUBLIC LIGHTING



Newsletter 03 | 2018-02 CE452 Dynamic Light

CE452 Dynamic Light project welcomes three new partner organisations from Austria and the Czech Republic.

The formerly associated partner from the Czech Republic Town of Sušice joins the project and will participate in pilot activity that will be implemented through the project on its administrative area. Through the pilot activity, Town of Sušice is planning an investment in new generation dynamic public lighting infrastructure based on LED technology. Within the framework of the project, a part of the public lighting will be designed and reconstructed around the “Chapel of sv. Anděla Strážce”.

The European Centre for Renewable Energy and the Burgstiftung in Güssing from Austria join the project as new partners. The castle in the city centre of the municipality Güssing is a magnet for various interest groups and economic groups. Both partners will cooperate to develop and implement an innovative lighting concept for the castle.



The current newsletter presents some main project results devoted to finding suitable financial models for energy efficient public lighting as well as integrating of dynamic lighting solutions into the existing lighting standards and regulations.

Guidelines on finding a suitable financing model for public lighting investment

Upgrading street lighting infrastructure to improve energy efficiency is an investment that reaps rewards in the form of substantial energy savings and reductions in carbon dioxide emissions. It is also highly cost-effective and has a short payback period. In spite of these advantages, the infrastructure in many countries of Central Europe has not been upgraded. The "Guidelines on finding suitable financial model" aims to assist the municipalities of Central Europe in finding potential funding sources and suitable financing models for energy efficiency upgrades of street lighting infrastructure. It draws up on a summary of three preceding it deliverables, including the baseline inventory, analysis of funding sources, and the best practice guide. It offers a decision-making tree for municipalities in Austria, Croatia, the Czech Republic, Germany, Hungary, Italy, Poland, Slovakia and Slovenia, for selecting a relevant financing model. It also discusses the linkage between available funding sources and financing models.



Harmonisation of existing public lighting standards and procurement rules



Strategy for intergration of dynamic lighting into EN13201 and related regulations

The document describes the origin of the Technical Report CEN/TR 13201-1:2014 “Road lighting - Part 1: Guidelines on selection of lighting classes” as a result of the work of European committee for standardization founded in 1961. The structure of the CEN/TC 169 “Light and Lighting” with its 14 working groups is explained.

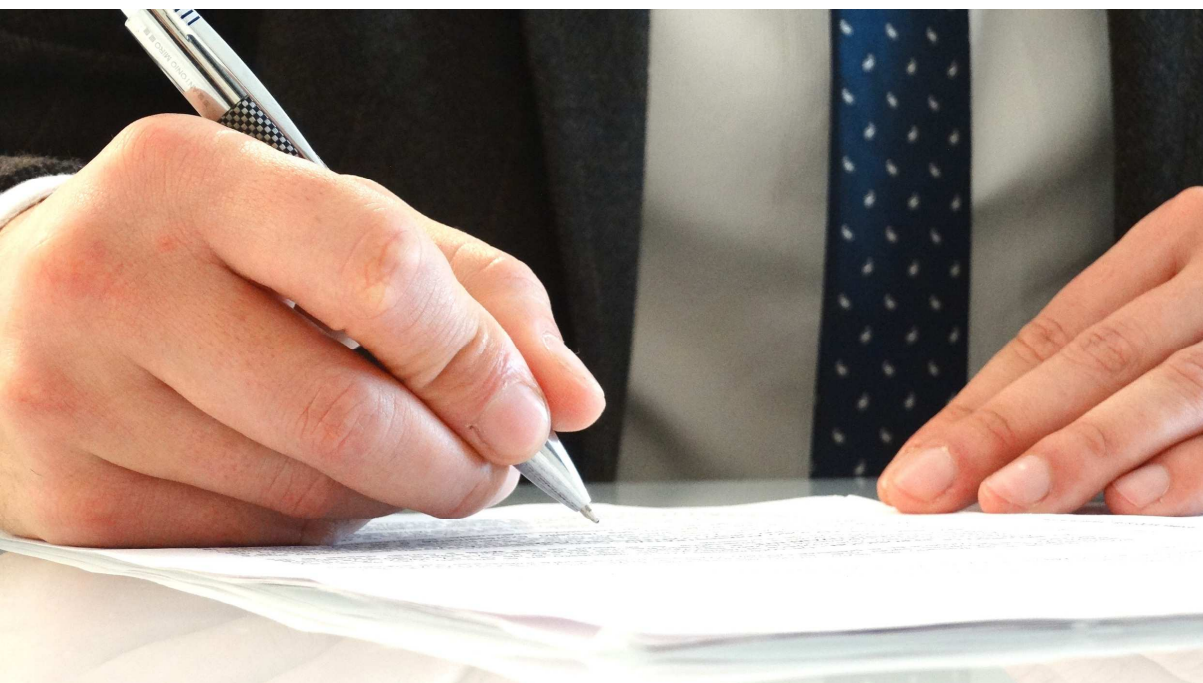
In the current version of CEN/TR 13201-1 it is not clearly defined, which method should be used to determine the lighting class for streets. Therefore, there is a need for harmonization to keep road safety and security at an appropriate level for all road users travelling through Europe.

To integrate dynamic lighting into this European standard, the selection procedures to categorize streets and corresponding street lighting should be re-considered by experts and discussed in national and European standardization bodies to come to a consensus

Analysis of the political and legal framework

“Analysis of the political and legal framework and the examples” analyzes political and legal implications for implementing dynamic lighting strategies on different levels, namely: EU, national, regional, and local. Country specific political and legal implications are analyzed and presented in 6 Country Reports, one for each participating country, namely: Croatia, Czech Republic, Germany, Italy, Poland, and Slovenia. Each country report analyzes national, regional, and local political and legal implications for implementing dynamic light based on the experiences of each project partner. Based on the Comparative Draft Methodology, the EU-Report presents a comparative analysis of the country reports where cross-cutting policy and legal implications are identified. Thus, differences and similarities amongst project partner countries are analyzed and presented.

The country reports and the EU-Report are essential for the elaboration of: a) Country-specific best-practice guide and recommendations from a legal perspective, addressing mainly municipal decision-makers; and b) Information events addressing politicians, decision-makers as well as policy and procurement officers on municipal and regional level.



International Specialist Event

DYNAMIC LIGHT IN PUBLIC SPACES

ECOLOGY ECONOMY SOCIAL NEEDS

INTERNATIONAL SPECIALIST EVENT

Dynamic Light in Public Spaces: Ecology, Economie, Social Needs

On 28th of February 2018, Deutsche Lichttechnische Gesellschaft e.V. (LiTG) – German Society for Light and Lighting – organizes an information event as part of the EU funded project »INTERREG Central Europe CE452 »Dynamic Light«. This project promotes the development of innovative dynamic lighting solutions for public spaces that combine an improved quality of light appropriate to the user's needs with energy savings.

The specialist event is designed for members of European and national standardisation bodies, city representatives, members of the European parliament, manufacturer and provider of public lighting. It takes place in Brussels, Belgium.

The event will show strategies how to integrate dynamic lighting into EN 13201 in order to harmonize national street lighting standards. It will present innovative pilot solutions and give advice how to detect the users' needs.

The attendance is free of charge

Further events

Strassenbeleuchtung 2018"

28th of February to 1st of March 2018, Berlin, Germany

DYNAMIC LIGHT was invited to present its approach to Dynamic Lighting and first project results at the Congress „Strassenbeleuchtung 2018“ in Berlin 1st of March 2018.

Peter Schmidt and Saurabh Sachdev will report in their speech „Innovative dynamic Lighting Strategies- What does the user want?“ about the requirements of the users and practical planning tools in the process of implementing dynamic lighting. The conference „Strassenbeleuchtung 2018“ is focussed on staff member of municipalities and lighting service providers as well as planners and manufacturers.

IKEM-Annual Meeting- 15th of March 2018

"Climate financing in Germany - how do we finance the energy transition and the 2050 climate protection goals?"

Project results on Funding sources for energy-efficient street lighting in central Europe will be applied by Ms. Aleksandra Novikova in the expert lecture on financing challenges at local level.

The event will take place on Thursday the 15th of March 2018 from 13:00 until 19:30.

Venue:

Magazinstraße 15-16, 10179 Berlin, Germany

Further information and registration at: <http://www.ikem.de/ikem-jahrestagung-2018/>



LIGHT + BUILDING

18.-23. March 2018 in Frankfurt/M

Meet the project team from Germany and Croatia at the trade fair Light+Building on the 18.-23. March 2018 in Frankfurt, Germany.

Hall 3.1 | FOY - 1

<https://light-building.messefrankfurt.com/frankfurt/en.html>

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