

Intelligent Road and Street Lighting in Europe

Coordinator:

Hafslund Nett AS, E-mail: eirik.bjelland@hafslund.no, Tel: 0047 99 21 30 36

Partners:

Hafslund Nett AS • City of Oslo • Agência Municipal de Energia de Almada
 City of Gothenburg • Black Sea Regional Energy Centre • Javna Razsvetljava d.d
 Philips Lys A/S • Investitionsbank Schleswig-Holstein • Eltodo EG • Echelon BV
 Krajowa Agencja Poszanowania Energii S.A • Selc Eireann Teorante/Selc Ireland Limited
 SITO Oy

Website:

<http://www.e-streetlight.com>



Description:

This project will increase knowledge and awareness of intelligent street lighting and accelerate the use of these technologies in Europe.

The project partners plan to assess energy savings for different settings, help to coordinate procurement initiatives, speed up the development of legislation and standards, and communicate "customers needs" on technology and administrative aspects. New standards for vote within CIE and later CEN are very important to avoid conservative attitudes to hamper the progress.

Description of the Work

- Assessment and review of energy savings for different settings (retrofitting, operation, new installations) and positive pollution aspects by eliminating PCB and mercury
- Coordinated procurement and joint purchasing of intelligent street lighting technology
- Provoke faster development of legislations, standards and guidelines
- Communicate "customers needs" on technology and administrative aspects
- Demonstrate financial instruments and performance contracting & standard contracts
- Dissemination and replication of success.

Expected Results

- Document the market potential in a market assessment and review report
- New tender documents and standardised technical specifications
- 20-30.000 intelligent luminaires implemented within the project period
- Non proprietary administrative tools for administration and operation
- Adapted EPC and TPC solutions for intelligent street lighting
- The project will contribute with technical solutions resulting in considerable energy savings in the road and street lighting sector in Europe.

Example of intelligent road lighting control

