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Title: Oslo Solar Street Lights

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How do smart streetlights work in Oslo?

By using electronic dimming gear and power-line communication each luminary is individually controlled, monitored and manipulated to both save energy and increase the safety level for the ordinance [source]. In Oslo, 10,000 intelligent streetlights are operated by a central database that monitors and administers commands.

How many high-pressure sodium lights are there in Oslo?

10,000 high-pressure sodium lights have been introduced around the city. The energy-saving potential has been estimated to 4.5 GWh/year. Climate and Energy Strategy for Oslo targets to cut greenhouse gas emissions in half by 2020, and by 95% by 2030, from the 1990 level [source].

What are the benefits of street lighting?

Multiple benefits: CO₂ emissions reductions as well as an energy-saving potential of 4.5 GWh/year. Based on the struggle for saving energy and improve the sustainability of Oslo, the capital of Norway, the efficiency of street lighting was highlighted as one of the prosperous options.

Oslo's smart streetlighting system incorporates 650 processing stations (cabinets) that connect to 65,000 light points in the city. The cabinets each collect data and allow control of 5 to 30 ...

The LED lighting of the Gladengveien road has brought significant benefits in terms of energy-saving and lighting quality. The LED street lights used for this project use specific optics for ...

In regions experiencing abundant sunlight, solar street lights are the best alternative to standard street lights powered by electricity. You can use these street lights to illuminate the streets, ...

Oslo has reduced energy consumption by 70% and CO₂ emissions by 1,440 tons per year since 2004 by introducing an innovative and energy-efficient intelligent street lighting system.

The city of Oslo needed a street lighting solution to satisfy European and worldwide directives to reduce

energy use and carbon dioxide emissions. The Norwegian capital also wanted to lower ...

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Oslo wanted MEW4 class lighting according to EN 13201, which also covers uniformity on wet roads and threshold increment glare evaluation. A total of more than 4,000 Thorn Legend, ...

For effective lighting control and maximum comfort and energy savings, all lanterns benefit from SL21 Lon Works nodes from Citylone. High quality lighting appropriate for use and conditions ...

The E-street project covers energy efficiency activities, the development of international standards and the clustering of street light owners. The project counts 12 partners ...

These lights guarantee reliable illumination without expensive modern grid infrastructures, making them ideal for rural areas that struggle to access conventional power sources. Rural ...

The E-street project covers energy efficiency activities, the development of international standards and the clustering of street light owners. The project counts 12 partners from 11 European ...

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