

# **GreenLight, GreenBuilding, and Motor Challenge Presentation of the Awards 2011**

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<http://re.jrc.ec.europa.eu/energyefficiency>





## 9 Winners

Started in  
2000, 647  
partners,  
total energy  
savings  
281 MWh/y



## 13 Winners

New Building (6)  
Refurbishment (7)

Started in  
2005, 292  
partners,  
more than 430  
buildings,  
total energy  
savings 333  
MWh/y



## 3 Winners

Started in  
2003, more  
than 100  
partners,  
total energy  
savings 202  
MWh/y



## Winners GreenLight Award 2011

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- **Nestlé France**
- **ING Luxembourg**
- **Prokind Scholengroep, NL**  
**The Netherlands**
- **MBZ N.V., Belgium**
- **Unibail-Rodamco Shopping Centres, Spain**
- **City of Tilburg, The Netherlands**
- **Gemeinde St. Georgen, Germany**
- **City of Zaprešić, Croatia**
- **Delhaize Belgium**

## Nestlé France

Lighting electricity savings: **520 MWh/year**

Electricity use reduction: **nearly 90 %**



The intervention was carried out in the Nestlé headquarters in Noisiel, where the illumination was modernised. 276 lights of 2x36W (T8) with honeycomb reflectors and ferromagnetic ballasts were exchanged with 100 lamps of 1x28 W (T5) with aluminized reflectors and electronic ballast. The life of the lamps has been increased by 50 % as well as the lighting quality.



## ING Luxembourg

Lighting electricity savings: **79 MWh/year**

Electricity use reduction: **85 %**

The indoor lighting at the bank branches in the Private Banking, Cloche d'Or, Kirchberg and Rodange branches was improved by installing L.E.D and T5 luminaires instead of halogen or 38mm-diameter fluorescent tubes.



## Prokind Scholengroep, NL The Netherlands

Lighting electricity savings: **40 MWh/year**

Electricity use reduction: **80 % ( 30% on average)**

Prokind Scholengroep is a school network in city of Spijkenisse, in the area of Rotterdam. The lighting in the schools De Veenvlinder, De Horst, De Piramide and Vogelenzang was modernised (luminaires and control) with a pay back time of 4.5 years.

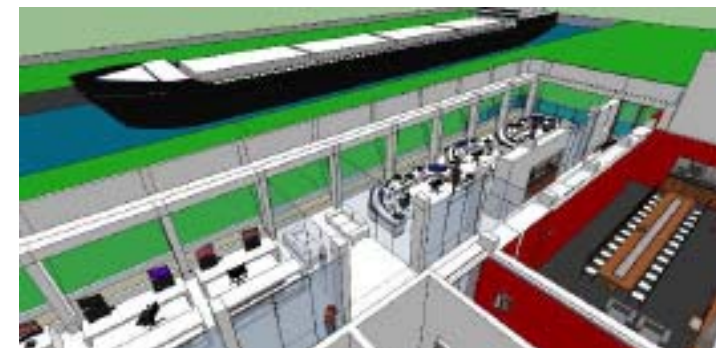


## **MBZ N.V., Belgium**

Lighting electricity savings: **19 MWh/year**

Electricity use reduction: **76 %**

The port of Bruges-Zeebrugge is managed by the "Maatschappij van de Brugse Zeevaartinrichtingen N.V." (abbreviated MBZ), which has modernised illumination during a complete remodelling and renovation of the 4th, 6th and 7th floors of the "Vandammehuis". Within the scope of the renovation it was decided to install high-frequency lighting with presence detectors and daylight sensors.



# Unibail-Rodamco Shopping Centres, Spain

Lighting electricity savings: **5 228 MWh/year**

Unibail-Rodamco is a leading listed European commercial property operator, investor and developer active in shopping centres, offices and convention facilities. Within GreenLight improvement interventions were carried out in 10 shopping centres: Albacentre (Albacete), Los Arcos (Sevilla), Barnasud (Barcelona), Bonaire (Valencia), Equinqccio (Madrid), Les Glories (Barcelona), Habaneras (Alicante), Maquinista (Barcelona), Parquesur (Madrid), Vallsur (Valladolid) using LED technology. In total over 35000 lamps were replaced, with a PBT of 3.5 years



New LED 1 X 21 W and 70 W projectors in the Barnasud mall, Barcelona (above) and new LED tubes in the subterranean parking lots in Los Arcos, Sevilla (right)



## City of Tilburg, The Netherlands

Lighting electricity savings: **303 MWh/year**

Electricity use reduction: **44 %**



Tilburg renovated a large number of old outdoor luminaires equipped with a TLS 20W lamp, which cause specifically high maintenance costs due to the short lamp lifetime. One renovation project is called “LED’sGO” because LED have replaced the old luminaires. In addition further interventions were carried out on the CityRing and Heikantlanan as well as implementing “lighting on demand”.



## **Gemeinde St. Georgen, Germany**

Lighting electricity savings: **38 MWh/year**

Electricity use reduction: **more than 67 %**



The community has modernized the street lighting in the inner town area. Especially, the illumination of the market square was not adequate. The construction consisting of 124 light points equipped with sodium and mercury-vapour lamps which a capacity of 75 to 165 W have been substituted by 64 light points using LED technology with capacity from 26 to 50 W.



## City of Zaprešić, Croatia

Lighting electricity savings: **1712 MWh/year**

Electricity use reduction: **57 %**

In 2009 the City of Zaprešić started modernization and new installations of public lighting in the wider area of the city. The old system was based on high pressure mercury lamps, which were substituted by high pressure sodium and ceramic metal halide bulbs with high efficiency electronic ballasts for power regulation during late night hours. The PBT is 5.1 years.



Average lamp before (left) and after (right) the intervention.

## Delhaize Belgium

Lighting electricity savings: **20 694 MWh/year**

Electricity use reduction: **more than 59 %**

130 retail stores in Belgium have undergone improvements in lighting. The number of fluorescence and metal halide luminaires has been reduced and LED fixtures used systematically to replace standard halogen accent lighting and in refrigerated cabinets.



**DELHAIZE**  **GROUP**



**Congratulations to all winners  
and thank you for your attention!**