



**PHILIPS**

Office Lighting

Greenpeace



Case study

# A green lighting plan for Greenpeace

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For Greenpeace, it is extremely important to make everything in and around the new premises **as sustainable as possible.**”



The new Greenpeace Netherlands head office in an old shipbuilding wharf in the north of Amsterdam excels in terms of sustainability. And in line with this green commitment, the carefully designed lighting plan from Philips uses daylight regulation, presence-detection sensors and LED lighting to be highly energy efficient.

**Making a difference with sustainable lighting for offices**

The choice to locate its new head office at the NDSM wharf on the Amsterdam IJ is no coincidence for Greenpeace. The ‘Smederij’ (meaning ‘foundry’) building that the environmentally active organization rents is located in vibrant surroundings that are easily accessible by bike, public transport and boat. The former industrial warehouse has been transformed into offices, and has become an ideal platform for the application of sustainable alternatives in the areas of electricity, insulation, heating and cooling.

Environmentally-friendly materials were used wherever possible, such as bamboo for frames, isovlas for insulation and EPDM roof covering. Greenpeace also focuses on using recycled material wherever possible. This does not just apply to the building itself, which is currently enjoying its third ‘life’, but equally to the interior layout and fittings. Probably the most striking additions are the benches on the first floor that come from the retired Greenpeace flagship MV Sirius.

**How it was done**

The light fittings were carefully chosen to be in harmony with the industrial heritage. MasterLED bulbs were fitted into secondhand clock fixtures and the LuxSpace downlights used in the corridors and canteen ensure a consistently good light output. On the second and third floors, where open office gardens are located, SmartBalance was chosen. This is a narrow, flat suspended light fitting that is ideal for use in spaces with varying ceiling heights. The use of SmartBalance in the separate meeting

spaces is particularly noteworthy because the lighting points in two directions: downwards as task lighting, and upwards to provide atmospheric lighting to the peaked roof. In the attic, the OccuSwitch DALI control system is configured to take account of the daylight that enters through the sky lights, and this dims the lights accordingly to ensure optimum comfort at all times of the day throughout the year.

**What it means**

With such a focus on sustainability for the new office accommodation, the lighting had to be the most energy-efficient choice, so the design makes exclusive use of LED lighting from Philips. Almost all the lighting can be dimmed and is fitted with movement detection and daylight regulation systems so that the lighting is only on when it’s actually needed, and at a level appropriate for the time of day.

**The last word...**

Greenpeace Netherlands is delighted with the result. “For Greenpeace it was extremely important to make everything in and around the new premises as sustainable as possible. We are happy that this has also been possible in the area of lighting. Thanks to LEDs in combination with daylight and movement sensors, we save a great deal on energy.”



Lighting solutions realised in this project



**MasterLED**

MasterLED enables huge energy savings and minimizes maintenance cost without any compromise on brightness, thus ensuring a fast return on investment. These LED lamps are compatible with most fixtures and designed as a retrofit replacement alternative for halogen lamps or incandescent lamps.



**LuxSpace**

The highly energy-efficient LuxSpace family makes it possible to achieve extremely low power consumption without sacrificing light quality in general lighting applications and delivers reliable light output, stable color performance and high color rendering.



**SmartBalance suspended**

The design of SmartBalance LED luminaires helps to minimize clutter on the ceiling and meets all relevant office norms whilst being visually attractive and unobtrusive. It is also available in recessed and free floor-standing versions.



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Date of release October 2015.

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