



Press Information

6 December 2011

Solar- driven LED street lighting project in China selected as book example of public-private partnership at UN Climate Change Conference in Durban (COP17)

Durban, South Africa: Philips Lighting and The Climate Group were praised for their joint solar-driven LED street lighting project in China's Guiyang community at the UN Climate Change Conference in Durban (COP17) today. The joint project was presented as a best practice example of public-private partnership that enhances people's lives in poor rural communities, while spurring green growth, saving energy and combating climate change, at the high-level UN 'Momentum for Change' event, attended by UN Secretary-General, Mr. Ban Ki-Moon, Mr. Jacob Zuma, President of South African and Mrs. Christiana Figueres, Executive Secretary of the UN Climate Change Secretariat (UNFCCC).

The Guiyang LED lighting project is part of the *1,000 Villages Program*, an initiative launched in 2009 by The Climate Group to provide rural communities in China with solar- powered LED street lighting. Philips contributed by donating the first 100 installations in the Guiyang project. Meanwhile, more than 40 rural villages in the areas of Guiyang, Chengdu and Chongqing have been part of the program.

"This is an example of how The Climate Group's initiatives have a positive impact at a global scale," said Mark Kenber, CEO of The Climate Group. "The Clean Revolution, the massive upscale of smart technologies and clean energy, can and must benefit all the citizens of the world, from rural communities in China to the inhabitants of every big metropolis. And it will be possible only through belief in innovation and leadership, supported by strong partnerships between governments, leading solution providers and NGOs – as exemplified in this case by Phillips," he added.

"Philips is honored and proud to get this recognition for our commitment to provide meaningful, sustainable solutions to help increase the sense of well-being, comfort and safety for some 1.6 billion people around the globe who currently live without electricity," reacted Tommy Leong, President of Philips Lighting Great China. "Thanks to the latest solar and battery developments, we can provide high-quality, reliable and cost-effective off-grid lighting that stimulates economic and social development, while avoiding CO2 emissions and saving energy costs," he further commented.

Changqing Ma, the Executive Vice-Mayor of Guiyang said: "Guiyang is proud to be part of the 1,000-Village Initiative. The program gave us the chance to showcase our commitment and leadership in pursuing green growth and demonstrate how successful public-private partnerships can be. Being recognized as one of the lighthouse projects by the UNFCCC encourages Guiyang to continue its commitment and efforts to form

more partnerships with businesses and civil society to address our global common challenges,” he added.

Breakthrough

Solar driven LED street lighting provides high quality, sustainable off-grid lighting solutions in remote areas without access to the conventional electricity grid. It extends the day after sun set at affordable cost, increasing the level of safety on roads and streets and allowing for more economic and social activity after dusk. The solution is also valuable in the sun-rich cities around the equator that can take advantage of the many hours of sunlight to supplement the capacity of their conventional electricity grid, addressing growing concerns about their ability to meet the steep increase in energy demand.

Philips has recently developed its highly sustainable Solar Gen2 solution that is said to be the world's most efficient and cost effective solar powered street lighting solution per km of road. The key to the breakthrough lies in the combination of new High Brightness LEDs along with unique patented optics and an intelligent controller which lies at the heart of the solution. This ensures that the maximum amount of power is transferred from the solar panels to the batteries. It also ensures that the charging and discharging of the battery happens in a smart way so as to maximize battery life and it can dim the light levels when required based on a self learning intelligence and a history log.

The case for LED lighting

Currently, lighting accounts for 19% of global electricity production, according to the IEA (International Energy Agency). Around two thirds of current lighting is based on older, energy-inefficient technologies developed before 1970. A full switch to the latest energy-efficient LED lighting combined with smart control and management systems could provide very significant energy savings of up to 80% in many applications. Worldwide, the switch to LED could save energy consumption for lighting by 40%. This equates to approximately 130 billion euros per year in running costs and 670 million tons of carbon dioxide emissions, the equivalent output of about 640 medium sized power plants. In most cases it is a simple switch to make. Over two third of the benefit could be achieved in the commercial and industrial world.

About the 1,000 Villages Program by The Climate Group

The aim of the 1,000 Villages Program initiated by The Climate Group is to enhance the lives of rural inhabitants by deploying renewable energy technologies and improving infrastructure quality. It is a five years project that was kicked off in August 2009. There are 400 demo villages in China in the first two years and other 600 villages in China, India and Africa countries in the later three years. The project aims to bring all stakeholders including governments, technology providers, research institute and related agencies together.

More information about the 1,000 Villages Program can be found at: <http://www.theclimategroup.org.cn/> and <http://www.1000villages.org/>

About the UNFCCC 'Momentum for Change' Initiative

The 'Momentum for Change Initiative' is launched by the UNFCCC secretariat to build momentum for the evolving climate regime by enhancing the visibility of successful adaptation or mitigation projects that combat climate change on the ground and measurably improve the quality of life of the people they benefit, and which have a

potential to be replicable and taken to scale. These "Lighthouse Projects" are beacons of opportunity, pointing the direction towards fulfilling the objectives of the Convention.

Under the Momentum for Change Initiative, the secretariat will create a series of platforms to recognize and encourage such projects. The first platform of the series is created in partnership with the Bill & Melinda Gates Foundation, and focuses on successful and effective private-public partnerships, in particular those that benefit the urban poor in developing countries.

More information on the Momentum for Change Initiative, the launch of the event and on the other selected projects for the launch, is available at:

http://unfccc.int/secretariat/momentum_for_change/items/6214.php

For further information, please contact:

Philips Lighting

Caroline Keulemans
Director External Communications
Tel: +31 6 51 06 69 49
Email: caroline.keulemans@philips.com

The Climate Group

Wu Xia
Head of Communications
Tel: +86 139 1012 3196
Email: xwu@theclimategroup.org

Winnie Lo (for on-site media inquiries in Durban only)

Head of Strategic Partnership, China
Tel: +86 1350 127 7564
Email: wlu@theclimategroup.org

About the Climate Group

The Climate Group is an independent, not-for-profit organization working internationally with government and business leaders to advance The Clean Revolution: a massive upscale of smart technologies currently available, design and new business practices that is the only viable way to avert climate change and to ensure that nine billion people on the planet by 2050 will not only subsist – but thrive. Founded in 2004, The Climate Group has operations in Australia, China (Beijing and Hong Kong), Europe, India and North America; this unique global network ensures that its messages are being heard by leaders who can effect change. The Climate Group's global coalition of companies, states, regions and cities around the world recognize the economic and environmental imperatives of taking transformational action on climate change and the low carbon economy now.

About Royal Philips Electronics

Royal Philips Electronics of the Netherlands (NYSE: PHG, AEX: PHI) is a diversified health and well-being company, focused on improving people's lives through timely innovations. As a world leader in healthcare, lifestyle and lighting, Philips integrates

technologies and design into people-centric solutions, based on fundamental customer insights and the brand promise of “sense and simplicity.” Headquartered in the Netherlands, Philips employs over 120,000 employees with sales and services in more than 100 countries worldwide. With sales of EUR 22.3 billion in 2010, the company is a market leader in cardiac care, acute care and home healthcare, energy efficient lighting solutions and new lighting applications, as well as lifestyle products for personal well-being and pleasure with strong leadership positions in male shaving and grooming, portable entertainment and oral healthcare. News from Philips is located at www.philips.com/newscenter.