



Martine De Regge

President of LUCI
Deputy Mayor of Ghent

A new light on China

Seven years after our AGM in Shanghai, LUCI is back in China for its Annual General Meeting 2013 in Guangzhou. Although less than a decade, these few years represent a real leap forward in the lighting world considering the major technological changes that have taken place and that cities have been facing. This is particularly true in China, which has been one of the first countries to engage in massive LED use in its public lighting, in a period of very strong economic growth and urban changes.

The City of Guangzhou is one of the most impressive examples of this recent evolution. Besides being situated in one of China's leading lighting industry regions, Guangzhou has developed a lighting strategy which not only aims to put forward the city's numerous architectural sites, but also involves the replacement of 130 000 luminaires by LEDs. A very impressive figure for most cities worldwide, and a topic that will unavoidably be at the centre of discussions and debates during our AGM.

On this issue that still raises many questions and on which some cities hesitate to move forward, this LUCI AGM will fully play its role in supporting the exchange of knowledge, experiences and know-how between cities worldwide.

With the Lyon Light Festival Forum coming up a few weeks after the AGM, a busy end of the year awaits LUCI cities which will once again have unique opportunities to enrich themselves through their urban lighting differences!

Guangzhou: lighting at the forefront of development

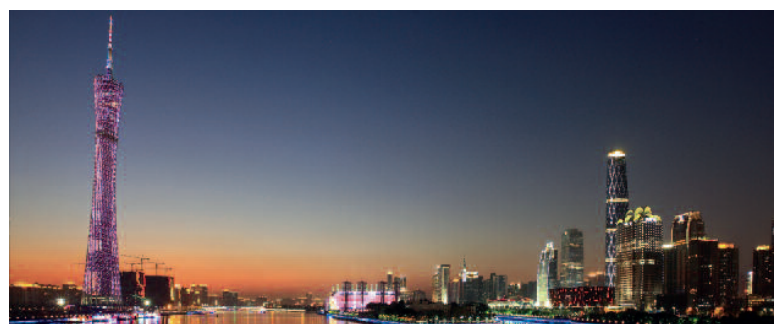
The next LUCI Annual General Meeting will take place in Guangzhou (China) from the 13th to the 17th of November 2013. Chen Yaxin, Deputy Director of Guangzhou Urban and Rural Construction Committee, tells us more about the lighting of the city...

What will be the highlights of the Guangzhou AGM?

The AGM will include many discussions on the planning and management of urban lighting in Guangzhou and its landmarks. It will also bring together other cities of China to present an overall vision of lighting in the country. Visitors will taste the local culture, study lighting on site, and experience the beauty of the nightscape of the Pearl River.

What are the main focuses of the Guangzhou lighting strategy?

Our goal is to become a low-carbon city and we aim to improve energy efficiency and build an environment-friendly society. There are three core aspects of the Guangzhou lighting strategy: establishing an effective control system with readable indicators such as lighting levels, brightness, etc.; determining the spatial layout of landscape lighting by identifying key areas and objects; and making specific lighting plans for the other urban areas.



What are some recent major lighting projects?

In recent years, Guangzhou has implemented a comprehensive upgrade of street and landscape lighting. It has used light to create a touristic attraction focusing on the Pearl River and city axis, with projects such as the Canton Tower, Haixin Island and Haizhu Bridge. Furthermore, since 2010, Guangzhou has been promoting the application of LED lighting in the urban landscape as well as in tunnels, subway stations and decorative monument lighting. So far, there are approximately 110 000 LED lights installed in the city and this will continue to increase in 2013.

➤ Marseille signs the LUCI Charter during its City under Microscope

The LUCI City under Microscope in Marseille (France), which took place from the 18th to the 21st of September 2013, was not only an opportunity for over 150 participants comprising 25 international city delegations to discover the lighting strategy of Marseille, it was also the occasion for the City of Marseille to sign the LUCI Charter on Urban Lighting.

The Mayor of Marseille signed the LUCI Charter in the presence of acting LUCI Vice President, Elisabeth Uden, City of Gothenburg



© Robert Tomassian

and Hélène Venturino, the Municipal Councillor of Marseille in charge of renewable energies, public lighting and illuminations. *"The City of Marseille has engaged in a sustainable development policy where energy-efficiency and respect for the environment are at the heart of urban development, especially concerning public lighting. We are pleased to express this commitment to the world by signing the LUCI Charter on Urban Lighting,"* said H. Venturino.

"Marseille has been an excellent example of how lighting has the capacity to organise and stimulate urban and economic activities, enhance cities and their urban spaces, improve the quality of life of their inhabitants and support energy efficiency strategies. Marseille's approach to lighting definitely connects with and echoes the LUCI Charter on Urban Lighting," reiterated E. Uden.

The City under Microscope included presentations on the cultural and urban renewal of Marseille, the photonic industry potential in the region, as well as site visits of some spectacular landmarks such as the Notre Dame de la Garde Basilica and the new MuCEM (the Museum of European and Mediterranean Civilisations), among others.

Download the presentations made during the event in the LUCI members' area.

LUCI CALENDAR

OCTOBER 2013

• **30 Oct - 2 Nov 2013**
PLDC - Copenhagen (Denmark)

NOVEMBER 2013

• **5 - 8**
Interlight Moscow -
Moscow (Russia)
• **13 - 17**
LUCI Annual General Meeting -
Guangzhou (China)
• **26 - 27**
ForumLED Europe -
Paris (France)

DECEMBER 2013

• **6 - 8**
Lyon Light Festival Forum -
Lyon (France)

MARCH 2014

• **5 - 8**
LUCI City under Microscope -
Rotterdam (The Netherlands)
• **30 March - 4 April**
Light+Building

➤ ForumLED 2013

LUCI members are invited to attend ForumLED Europe, the international congress and exhibition on LED technology, which will take place from the 26th to the 27th of November 2013 in Paris. A



10% discount is offered to all LUCI members.

More information
at www.forumled.com

➤ LUCI is on Facebook

Come "like" the LUCI Facebook page and get the latest updates on LUCI activities and events. Spread the word to your colleagues and your municipality's communications departments and give your city lighting news maximum visibility worldwide.



www.facebook.com/LUCIAssociation

➤ Save the date: CM Rotterdam

Mark your calendar for the next LUCI City under Microscope which will take place in Rotterdam (The Netherlands) from the 5th to the 8th of March 2014!

A dynamic and ever expanding city, Rotterdam has much to show participants - from its lighting master plan focusing on sustainability, to its use of light to enhance urban art, as well as the special lighting for the Port of Rotterdam, one of the largest ports in the world.

Download the preprogramme
at www.luciassociation.org



© City of Rotterdam, photo Tom Pilzacker

➤ LUCI AGM 2013 - the international showcase for city lighting

The LUCI Annual General Meeting 2013, which will take place in Guangzhou (China) this year from the 13th to the 17th of November, will not only showcase the activities of the LUCI network and its cities, it will also enable participants to discover urban lighting in Guangzhou and other municipalities in China. A look at some of the highlights of the event...

Lighting in Shanghai, Beijing and Chongqing

Besides focusing on the urban lighting in Guangzhou, the conferences of the AGM will also feature some of the other major cities in China with presentations from the cities of Shanghai, Beijing and Chongqing on their respective lighting strategies. A unique opportunity to discover a new lighting culture!

Open Conference sessions

The Open Conference, following its success last year, is now in an extended format lasting all afternoon. Take advantage of this opportunity to present your city lighting projects, festivals or initiatives to an international audience. Presentations from Albertslund, Osaka, Paris and Seoul are already on the agenda. The registration form to make a presentation is available at www.luciassociation.org. Deadline for registrations: 30th of October 2013.

city.people.light award ceremony

After Lyon in 2012, which city will win cpl 2013? Participants can look forward to the city.people.light award ceremony which



will announce the winners of this international urban lighting prize organised by Philips and LUCI.

LUCI projects

This AGM will be the occasion for the LUCI Commissions to present their projects and activities. In particular, the LUCI Charter on Urban Lighting Commission will unveil the results of the Charter survey and the corresponding report on urban lighting policy trends in signatory cities. The new Light and Art Commission, which studies the issues surrounding light and public art in the urban space, will also present its work so far.

See the full programme of the event at www.luciassociation.org

➤ Lyon Light Festival Forum

LUCI members are once again invited to the Lyon Light Festival Forum, organised by the City of Lyon and LUCI, which will be taking place from the 6th to the 8th of December 2013 during the Lyon Light Festival. A look at some of the key moments of the programme...

Conferences

Taking place on the 7th of December 2013, the Lyon Light Festival Conferences will bring together LUCI members and other lighting professionals to discuss challenges related to temporary and event lighting. With this year's conferences sessions on how to deal with the success of light festivals and exploring the future of video-mapping, the scene is set for some lively debates and discussions!

Programme and registrations at www.luciassociation.org

The Auroralia award ceremony

The winning cities of the Auroralia award on sustainable urban lighting will be announced during the gala ceremony on the 7th of December 2013. The Auroralia competition, initiated by Schröder with the support of LUCI, rewards cities that have implemented high quality exterior lighting projects that minimise the impact on the environment in the most noticeable, exemplary and original way.

More information at www.auroralia.org



International Platform for Light Festivals

Organised in collaboration with the Cluster Lumière on the 8th of December, the International Platform for Light Festivals will arrange individual meetings between light artists and city light festivals organisers. A unique opportunity to present your projects and explore potential new collaborations!

Contact luci@luciassociation.org for more information on how to participate in the platform.

➤ Green lighting for Wuxi

Wuxi, a city in China's Jiangsu province, about 128 kilometres northwest of Shanghai, is one of the major economic and touristic centres in the Yangtze Delta.

The lighting strategy of the city focuses on energy conservation and CO₂ emission reduction. Its objective is to bring about a new era of green lighting that enables security, improves the quality of life, and creates a unique lighting nightscape, all while taking into account citizen satisfaction. *"We joined LUCI mainly to understand foreign advanced lighting concepts, and study high quality lighting achievements and mature lighting plans, so as to guide our lighting programmes,"* says Xu Guowei, Director of the Wuxi Park and Scenic Area Management Centre.

The city is currently implementing several solar lighting projects, such as the Ma-lu solar street lights demonstration project, the Shangxian River landscape lighting solar power engineering installation, as well as Lide Road, Qingshu Road and Guanshan Road solar street lamps in the Taihu New City district of Wuxi. *"We would like to make Taihu New City into an ecological demonstration area on green lighting, with Wuxi becoming an important sustainable lighting base,"* explains X. Guowei.

The city plans to combine internet and 3G communication technology to obtain real-time running status information and implement centralised control and intelligent lighting throughout its territory in the future.



© City of Wuxi

➤ Albertslund - a laboratory for innovative lighting



© Albertslund Municipality

The Municipality of Albertslund (Denmark), located in the western part of the Copenhagen Metropolitan Area, has a long tradition for innovative lighting: it was the city at the origin of the Albertslund Lamp in the 1960s as well as its LED based reinvention, the A-lamp, in 2007.

Today Albertslund, which has just prepared a new lighting plan, is about to undertake a total renovation of its city lighting system with the replacement of approximately 8 000 lamps by new LED based lamps – an initiative that will lead to a 50 - 75% reduction in lighting energy consumption.

The new lighting system will also become the backbone of a Smart City infrastructure. *"The SSL lighting industry is, in my opinion, probably one of the key and most important sectors for the development of new "smart city" intelligent lighting and digital communication infrastructure. Visionary and ambitious local political leadership and mind-set with a global outlook in a local context has clearly been proven as the most effective way to get real results and progress for society,"* says Niels Carsten Bluhme, Director of Albertslund Municipality. The municipality aims to become a living climate laboratory, where new green technologies and solutions are invented in close relation to the city and its inhabitants.

NEW MEMBERS

↘ EVESA - illuminating Paris

EVESA, LUCI's latest associated member, is a consortium of companies (Bouygues Energies Services, VINCI Energies/SATELEC, AXIMUM) in charge of the public lighting in Paris (France) under the Energy Performance Contract undertaken in 2011.

The 10 year contract involves 195 500 lighting points and 304 illuminated sites, and includes project implementation, management and monitoring. It also includes defining new projects each year that significantly reduce energy consumption in the Parisian public space. *"Through LUCI, EVESA wishes to enrich itself with experiences from actions carried out by other contracting authorities in search of efficient and innovative solutions,"* says Denis Perrot, Expertise and Innovation Manager at EVESA.

The consortium plans to deploy remote monitoring equipment, an innovative control function for switching on lighting installations, as well as dynamic lighting systems for urban tunnels with a budget of € 10 million.



© City of Paris/Christophe Belin

LOCATION: Paris (France)

MAIN ACTIVITY: managing the public lighting installations in Paris

DATE OF CREATION: 2011

NUMBER OF EMPLOYEES: 280

↘ Neo Light - enhancing urban areas



© Sylvain Bigot

Neo Light, a lighting design agency based in Paris and Tours (France), seeks to highlight urban areas at night. The agency handles project lighting design, lighting plans, street lighting, as well as event lighting. It also conducts public lighting audits. *"Through*

our projects, we aim to enhance the urban environment, create a lighting identity and evoke new emotions and fantasies," says Sylvain Bigot, Director of Neo Light.

The agency has implemented light projects such as the Tower of Rouen, several castles in the Loire among which Amboise and Chaumont, as well as sound and light installations for the City Hall of Tours. Recent and upcoming projects include the renewal of the public lighting system in Dakar (Senegal) and the decorative lighting of major public buildings in the northern French city of Lille.

LOCATION: Tours (France)

MAIN ACTIVITY: lighting design

DATE OF CREATION: 2005

NUMBER OF EMPLOYEES: 2

WEBSITE: www.neolight.fr

↘ Studio Kybra - showcasing light art

Studio Kybra is a Berlin-based architectural lighting and light art consultancy that carries out light art curatorial practice for exhibitions and light art festivals. It also creates light art projects (light, space, sound) that bring about unique experiences in cities.

"We joined LUCI because we want to be part of an international network that is interested in the growth and development of quality lighting design and light art for cities. As curators and designers we want to contribute to the next level of quality curated city spaces," explain Mary-Anne Kyriakou and Ingo Bracke, the founders of Studio Kybra. To date Studio Kybra has commissioned over 50 light art works for public space including light art for festivals such as Smart Light Sydney and I Light Marina Bay through the Smart Light initiative.



© Studio Kybra, photo Matthew Flynn

LOCATION: Berlin (Germany)

MAIN ACTIVITY: light art curation

DATE OF CREATION: 1998

NUMBER OF EMPLOYEES: 2

WEBSITE: <http://neu.studiokybra.com/> - www.smartlightwalks.com

➤ Eindhoven leads new EU project ENIGMA

The City of Eindhoven is the lead partner in a new EU project called ENIGMA (Enlightenment & Innovation, Ensured through Pre-Commercial Procurement in Cities), bringing together 15 partners among which 5 cities.

Through this project, cities will engage in a joint pre-commercial procurement process to address common challenges related to upgrading public lighting infrastructure using smart ICT solutions. The idea is to enable a wide range of intelligent and integrated services that benefit the society and individual citizens, and bring cities closer to becoming Smart Cities.

The project consortium consists of the cities of Eindhoven (The Netherlands), Bassano del Grappa (Italy), Espoo (Finland), Stavanger (Norway) and Malmo (Sweden), supported by knowledge and networking partners EUROCITIES, ICLEI, LUCI, TNO, TU/e,



Aalto University, Lund University, Agentschap NL, INNOVA and AATRM. It is funded by the European Union's FP7 Information and Communication Technologies (ICT) research programme.

More information coming soon - as one of the communication partners, LUCI will continue to keep members updated on progress and results all along the three years of this project.

➤ LightLinks Glasgow - Buffalo City mobilises the community



The Thorn/LUCI LightLinks II project, which will illuminate the City Hall and the Mdantsane Art Centre in Buffalo City (South Africa) in collaboration with the City of Glasgow (U.K.) and Concepteurs Lumières sans Frontières (CLSF), will be reaching its final phase this October. Vincent Thiesson (Agence ON), lighting designer with CLSF, tells us more about the project and the role of the local community...

■ How did you involve the community in these projects?

We conducted various workshops with the local authorities and community organisations to determine the choice of sites to illuminate. They chose to experiment with the urban and architectural dimension of lighting in the City Hall project, and to explore the social dimension of lighting in the Mdantsane Art Centre. We also conducted workshops with the users and performers of the Art Centre, where we explained the lighting

possibilities and tested fixtures. They gradually got more and more involved in the project, made choices, and even danced under the light at night! And of course, the city officials in charge of public lighting were essential in setting up the project and helped us during each of our trips, guiding us through the specificities of lighting in townships.

■ What is planned for the lighting of the City Hall?

We will be highlighting the architecture of the City Hall by installing light sources in various balconies to highlight the building's facades. The side tower will also be illuminated. But we also go beyond the enhancement of the building, and illuminate the public square in front of it. It is a place where the population gathers during festivals and national holidays and it was essential to include this living space in the City Hall lighting scheme.

■ What are your plans for the Mdantsane Art Centre and how do you highlight its important role in the local community?

The lighting of the Mdantsane Art Centre is dedicated to the performers and users of this centre and it aims to evoke a sense of pride and belonging. We have identified the main rehearsal, learning and production areas, so that light surrounds these spaces, illuminating the access to different rooms. The heart of the centre is illuminated with a lot of contrast with a succession of halos of light - literally putting everyone in the "spotlight". Performers or spectators can thus play with light by entering the lit area or remaining in the shadows. Finally, we ensure that the centre is identifiable in the broader nightscape by installing a coloured light signal.

We hope that this new lighting will help the users of the centre by not only extending its opening hours thereby allowing them to practice later in the evening, but also enable the re-appropriation of the premises by the local population, and give more visibility to this exemplary place dedicated to social development through art.

Read the full interview on www.luciasassociation.org

➤ New opportunities for city lighting under Horizon 2020

The EU released "Lighting the Cities", a report on accelerating the deployment of innovative lighting in European municipalities, this summer. Dr Martyn Chamberlain, Programme Officer at the EU Directorate General Communications Networks, Content and Technology - Photonics, tells us about the next steps ahead...

■ What is the main focus of the photonics/solid state lighting research and innovation strategy in the EU regarding public lighting?

The main focus is to bring together actors across the complete value chain i.e. solid state lighting manufacturers and suppliers, research organisations, lighting designers, architects, municipalities, testing houses, standards organisations, etc.

■ What are the steps forward after "Lighting the Cities"? What are the new perspectives?

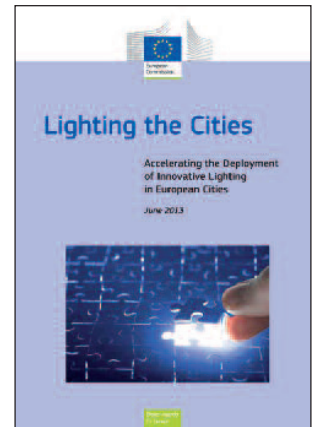
On top of actions such as spreading the knowledge and good practice already accumulated by European cities, investigating European level finance initiatives, buyers consortia, European procurement mandates, educating citizens and gateway demonstrations for moving towards smart cities, there is also the adoption of SSL lighting standards by working with bodies such as CEN/CENELEC. Promoting research and innovation actions such as innovative lighting solutions (LEDs and OLEDs), intelligent lighting systems that are integrated with HVAC or photovoltaic systems and open lighting architectures is also a priority.

■ What is the role of SSL in public lighting in Horizon 2020? What can public authorities expect?

We would wish to see demonstrable improvement of awareness, and support of EU cities for widely deploying solid-state lighting with measurable benefits for the citizens. The aim is to improve business opportunities and value creation in Europe by reinforced cooperation along the value chain. We encourage the wider uptake of SSL technologies, which could be foreseen by bringing together European cities to share information, testing facilities and procurement and deployment experiences on SSL. In addition, it might prove advantageous to network European SSL test facilities to ensure LED product quality in the European market place and facilitate the training of public procurers in SSL technologies.

Download "Lighting the Cities" at
<https://ec.europa.eu/digital-agenda/>

Dr Chamberlain will be one of the speakers at the upcoming ForumLED Europe in Paris this November.



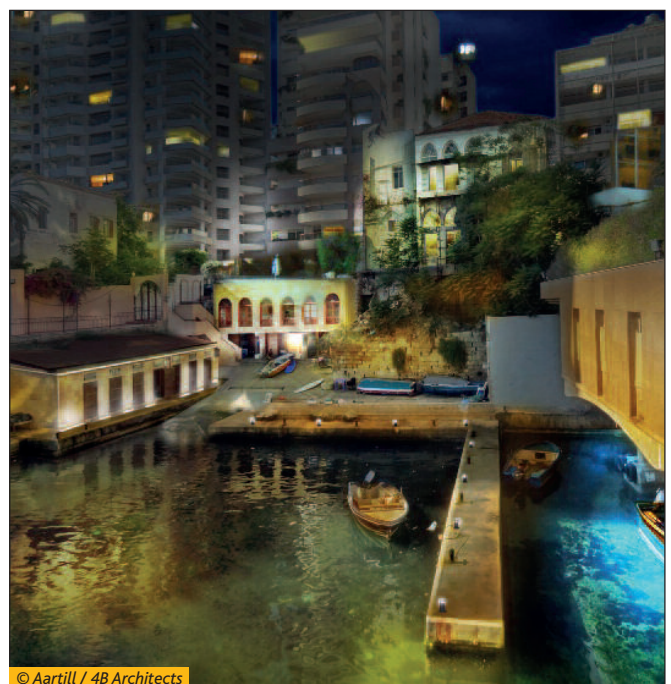
➤ New lighting plan for Beirut

The City of Beirut, capital of Lebanon, approved a new lighting plan earlier this year. This comes within the framework of a regional cooperation initiative between the central French region of Ile-de-France and the Municipality of Beirut, supported by the expertise of LUCI Honorary Member, Michel Peret, former Public Lighting Technological Review and Studies Manager at the City of Paris.

The new lighting plan was developed by the French lighting design agency AARTILL Lighting Consultants following an international call for tenders.

The plan aims to provide a coherent structure for the future development of localised light schemes on a functional as well as aesthetic level. It proposes to highlight city entrances, parks and major buildings and realise two urban light paths.

Through this new plan, the renovation of the city's public lighting network which consists of over 15 000 lighting points will not only enhance urban spaces with a better quality of light, it will also result in energy savings of approximately 25% due to the use of LEDs and remote-management.

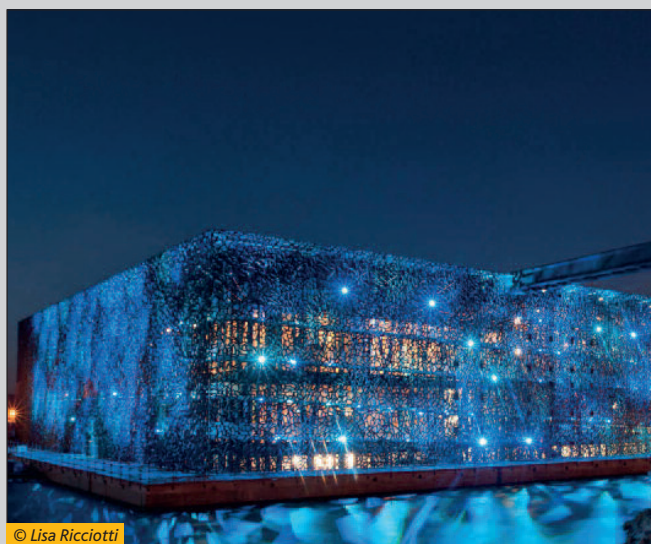


© Aartill / 4B Architects

↘ Lighting urban waterfront zones

Former port areas are becoming zones of renewed activity in several cities as they are being converted into new multi-functional urban waterfront neighbourhoods. Municipalities are increasingly implementing innovative lighting strategies to create and re-create the urban identities of these waterfront zones which are seen as the opportunity to create a new, more visible city nightscape. A look at two major projects in Europe...

↘ The Euroméditerranée urban renewal zone in Marseille



© Lisa Ricciotti

A waterfront urban renewal project of 480 hectares in the city centre of Marseille (France), the Euroméditerranée zone will, by 2030, have 18 000 new housings, 40 000 new inhabitants, and 1 million square metres of offices, through € 7 billion of public and private investment.

A special lighting plan, designed by urban development agency Euroméditerranée in collaboration with lighting designer Hervé Audibert and the City of Marseille, aims to create a coherent lighting identity for this developing urban zone.

Its objective is to create a visual whole for the zone's waterfront facade when seen from the sea while simultaneously incorporating the luminous scenographies specific to the many iconic buildings of the area.

One of the main focuses of this lighting plan is thus to ensure the coordination of the lighting projects of various private stakeholders by setting a reference framework and technical guidelines such as those related to lighting colour temperature or lighting furniture and supports used in the area. The main aim is to minimise, or even eliminate public lighting furniture, i.e. lighting masts, when possible, in order to focus attention on the architectural lighting of the buildings.

Some of the major sites already illuminated and forming the nightscape, include the MuCEM, the Fort St Jean and the Silo d'Arcenc.

For more information: www.euromediterranee.fr

↘ Kruunuvuorenranta - future neighbourhood of light in the making

The City of Helsinki (Finland) is in the process of constructing a new waterfront district on the shore opposite Helsinki city centre, called Kruunuvuorenranta, which will be branded as a neighbourhood of light.

The lighting of Kruunuvuorenranta will be designed based on the winning proposals of an international lighting competition made by Bartenbach LichtLabor GmbH, West 8 Urban Design & Landscape Architecture, and Speirs and Major Associates.

The lighting of the area has been designed in such a way that, viewed from the opposite shore, the area's different subsections are lit with different intensities. Functionally significant places and light artworks on the shore will be highlighted. Based on LED technology, the lighting will be controlled so that the colour temperature and the amount of light follows the changing seasons and matches the lighting need and intended activity. Darkness will also be an important part of the lighting solution.

In the 2020s, people in Helsinki city centre will be able to admire the "environmental artwork" formed by Kruunuvuorenranta

when it is dark or visit the location to examine the unique lighting solutions and light artworks in closer detail.

More information at
www.ksv.hel.fi/en/kruunuvuorenranta/lights



© Speirs+Major and West 8

➤ A new dimension for the Osaka light festival



© "City of Light" Planning & Promotion Committee

This year, the Hikari Renaissance festival in Osaka (Japan), now known as the Festival of Light, taking place from the 1st of December 2013 to the 19th of January 2014 in central Nakanoshima, will also include special lighting activities in eight area-specific programmes. These new initiatives will be implemented by the private sector in cooperation with the city.

In addition, exemplary artworks selected by the Hikari Renaissance Light Art Award Evaluation Committee, which includes judges such as Kaoru Mende and Julien Pavillard, will illuminate the Osaka City Central Public Hall and the Nakanoshima Rose Garden.

The city plans to step up its efforts to promote this festival which it hopes will symbolise Osaka as the illumination capital of Japan.

It aims to develop the Festival of Light in Osaka into a world-class event that will attract 10 million visitors from Japan and abroad by 2015.

The objective is to create an attractive urban destination through the synergy of lights, food culture, and history, as well as by enhancing the contents of the festival.

More information at
www.hikari-renaissance.com

➤ First edition of the Brussels Light Festival!



The City of Brussels (Belgium) is all set to launch the first edition of the Brussels Light Festival, which will be taking place from the 31st of October to the 3rd of November 2013.

Organised by the Brussels-Capital Region/ Brussels Mobility with the support of the Brussels Minister for Public Works and Transport and the Port of Brussels, the festival will include light installations along the Sainctelette Canal combined with light shows and other performances.

More information at
www.brussellslightfestival.be

Light festivals in LUCI cities

OCTOBER 2013

- Brussels Light Festival
- Circle of Light Moscow International Festival
- Leipzig Festival of Light
- Nocturne des Côtéaux de la Citadelle, Liege

NOVEMBER 2013

- Luci d'Artista, Turin
- GLOW, Eindhoven
- Guangzhou Light Festival

DECEMBER 2013

- Amsterdam Light Festival
- Gothenburg Christmas City
- Lyon Light Festival
- Medellín Alumbrado Navideno
- Osaka Festival of Light

JANUARY 2014

- Karkonosze's Festival of Lights, Jelenia Gora
- Lux Helsinki
- Tallinn Fire and Ice Festival

FEBRUARY 2014

- Carnevale Romano

APRIL 2014

- Chartres en Lumière

JUNE 2014

- Jerusalem Light Festival

SEPTEMBER 2014

- Jyväskylä City of Light

More information and exact dates on the light festival calendar on the LUCI website.

▾ Ghent talks lighting at Eurocities conference

The City of Ghent (Belgium) will be hosting the Eurocities annual conference from the 27th to the 30th of November 2013, where it will take the opportunity to place lighting on the European network's agenda. Visitors will be treated to a guided tour in nocturnal Ghent to see its lighting strategy in action, as well as a light and sound show under the City Pavilion.

The Eurocities annual conference theme this year, "smart citizens", puts people at the core of our future - not just as consumers, but as citizens, innovators, collaborators, producers and entrepreneurs. It will focus on how future cities must shift the debate towards the central place of citizens in smart city design.

As a co-signatory of the LUCI Charter on Urban Lighting, Ghent is very much aware that city lighting has a considerable part to play in smart urban planning, and one of the workshops will deal with the Ghent Climate Alliance, a local partnership of citizens, associations, policy makers and businesses, aiming for climate neutrality by 2050.



© City of Ghent

▾ New lighting for Ho Chi Minh City Central Post

A new lighting scheme for the Central Post building in Ho Chi Minh City (Vietnam), one of the city's most visited monuments, was inaugurated this September.

The new scheme was developed as part of a decentralised cooperation initiative between Ho Chi Minh City and the City

of Lyon which aimed to technically assist the Vietnamese municipality to highlight the Central Post building.

"Our objective was to strengthen the touristic appeal of this iconic landmark, contribute to the conservation of the architectural heritage of the city, and enable the appropriation of this site by citizens. We also wanted to demonstrate the potential of light as a tool to reveal the identity of a particular place," explains Jacques Fournier, Head of Studies and Design in the Public Lighting Department of the City of Lyon.

The new lighting scheme incorporates soft and uniform lighting that is respectful of the materials that make up the building. The building's three visible facades, tiled roof, great hall and roof-top clock have been specially illuminated to enhance its structure, and the various architectural details of the main facade have also been accentuated.

The new illumination also includes different operating cycles that will enable the city to vary the lighting scenographies of the building during different periods of the night. The light sources used in this project, a combination of metal halide lamps and fluorescent tubes, all have high luminous efficiency and are therefore very energy efficient.

This decentralised cooperation initiative was implemented with the support of several partners including the Lyon Lumière - Lyon Lighting Association which contributed over € 136 000 to the project.



© M. Djaoui

BEST PRACTICE

➤ LED lighting for Town Quay cycle bridge in Devon

Devon County Council (U.K.) recently inaugurated a new 90 metre-long steel cable-stayed cycle bridge across the River Teign which is lit with a LED lighting scheme that respects the local fauna. Les Pym, Devon County Council Street Lighting Area Engineer tells us more about the project...

■ What were the objectives of the project?

The construction of the new Town Quay cycle bridge comes within the framework of the Devon cycle network which is currently under development and which aims at increasing journeys by bicycle or on foot. The bridge across the River Teign required a lighting solution to help bring it to life at night and provide a safe crossing for cyclists and pedestrians. It also had to conform to environmental constraints and to reduce energy consumption. As the area is thought to be regularly used for feeding bats, we consulted an ecologist who recommended a solution to prevent any light spilling onto the river and adjacent embankments. In addition, a key project factor was also to use lighting to accentuate the bridge's iconic support mast at night.

■ What lighting solution did you decide on?

A LED handrail solution was established as the most efficient way to achieve the required levels and control of light. To conform to the environmental constraints and to reduce energy consumption, the LED handrails are controlled by a photoelectric cell. This means that the units only operate from dusk to midnight and then from 6:30 am to daylight. Also, having the LED handrail manufactured using grade 316 stainless steel, helps minimise maintenance costs for the tubular housings and fittings. In total, 41 LED handrail sections were mounted at 1.4 m above the deck along one side of the bridge, with each section equipped with three 1 W white LEDs. The angle of the LEDs within the handrail minimises any light-spill on to the river.

■ What are the impacts so far?

Since the official opening of the Town Quay Bridge, the council has received several positive comments from the local community. The new route is being well used by both cyclists and pedestrians, proving so far that the LED handrail has been a very effective solution. Almost 5 000 cycling trips have been made over the bridge since it opened to the public this summer, with 1 300 of those in the first week.



IDENTITY CHIP

Location: River Teign, Newton Abbott in Devon, U.K.

Implementation

Project launch date: January 2012

Duration of the project work: 6 months

Inauguration date: March 2013

Stakeholders

Contracting authority: Devon County Council

Lighting design: Devon County Council

Manufacturers: Schröder

Installation: SSE Contracting Ltd.

Maintenance: SSE Contracting Ltd.

Budget

Total cost of lighting project: £77 000

Technical details

Luminaires: 41 LED handrails + 2 Acequo LED floodlights

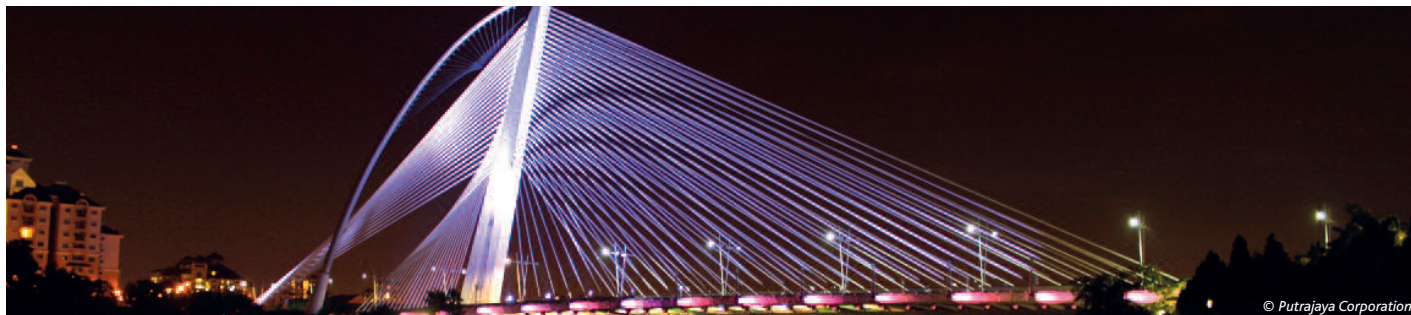
Lamps: 41 x 3 LEDs

Total power installed (watts): 123 W + - 10%

Energy consumption: 145 W

Estimated life expectancy: 25 years

Find this experience and many others in the **best practice database** at www.luciassociation.org/plus



Created in 2002 at the initiative of the City of Lyon, LUCI (Lighting Urban Community International) is an international network of cities on urban lighting. Through the organisation of international events and conferences, and its involvement in various lighting projects and research, LUCI creates spaces for exchange of knowledge and good practices in urban lighting.



LUCI Association
13 Rue du Griffon
69001 LYON, France
Telephone: 00 33 4 27 11 85 37
Fax: 00 33 4 27 11 85 36
luci@luciassociation.org
www.luciassociation.org

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