



# LUCI Annual General Meeting Helsinki | Finland

23<sup>rd</sup> to 27<sup>th</sup>  
September 2015

Programme



INTERNATIONAL  
YEAR OF LIGHT  
2015

# LUCI Annual General Meeting

Helsinki | Finland

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September 2015

EDITORIALS



I am pleased and delighted to welcome the LUCI Annual General Meeting to Helsinki. You have chosen the optimal time to visit our city.

Helsinki is expanding faster than ever before with the construction of completely new districts. For example, Kruunuvuorenranta, a residential community under development at the site of a former oil terminal, will be profiled as a neighbourhood of light.

Outdoor lighting will be an important part of this process as the City of Helsinki aims to build sustainable, safe and pleasant neighbourhoods, where people can enjoy both work and leisure. Our northern location makes the city ideal for innovative lighting schemes, following the long winter period.

In new outdoor lighting projects, we highlight the importance of sustainability and energy efficiency. Consequently, the total energy consumption of outdoor lighting in Helsinki has decreased by 25% since 1997, while the number of lighting points has increased by 19%.

I look forward to sharing experiences and best practices in this extremely interesting field and to welcoming you in Helsinki.

**Jussi Pajunen**  
Mayor of Helsinki



It's a great pleasure to gather in Helsinki for the 2015 edition of our Annual General Meeting!

Following the success of last year's AGM in Dubrovnik (Croatia), the LUCI network brings together cities and professionals from all over the world to share ideas, experiences, and broaden their perspectives in the ever evolving field of lighting.

With a focus on northern lights, LUCI members will have the exceptional opportunity to discover the many facets of outdoor lighting in Helsinki, a global and inspiring policy including the implementation of new lighting technologies based on the most recent research results, architectural lighting, light and art and festive lighting projects.

This AGM will also be the occasion to reflect on the network's progress and evolution. The Open Conference sessions will give LUCI cities the opportunity to showcase their most recent lighting initiatives.

I would like to thank the City of Helsinki for their involvement in making this major event once again a unique international forum for cities and lighting, and I wish an enriching and stimulating AGM to all!

**Johan Nyhus**  
President of LUCI  
Deputy Mayor of Gothenburg

## Wednesday 23 September

- 19:30 Welcome cocktail
- 21:00 Walk through the heart of Helsinki

## Thursday 24 September

- 9:30 Opening of the Annual General Meeting
- 9:50 Helsinki today, current projects in city planning
- 11:00 Outdoor lighting in Helsinki – facts, goals and visions
- 12:30 Lunch
- 14:00 - 16:30 LUCI General Assembly
- 18:00 Helsinki archipelago and Silo 468 dinner cruise

## Friday 25 September

- 9:00 Improving lighting through research
- 11:00 Sharing northern light inspiration
- 12:30 Lunch
- 14:00 - 17:00 Open Conference sessions
- 19:00 International Philips/LUCI city.people.light award ceremony and dinner

## Saturday 26 September | OPTIONAL PROGRAMME |

- 9:30 Architectural tour in Helsinki
- 13:00 Lunch
- 14:30 Guided tour in Suomenlinna

## Sunday 27 September | OPTIONAL PROGRAMME |

- 9:30 Guided tour in the Finnish Nature Centre Haltia
- 11:30 Lunch
- 13:00 Visit to the Nuuksio Reindeer Park

23  
SEPT

Wednesday

17:00 **LUCI Executive Committee meeting (for EC members only)** / Scandic Park Hotel

19:10 Departure from the hotel (by tram)

19:30 **Welcome cocktail** / Helsinki City Hall

*Pekka Sauri, Deputy Mayor for Public Works and Environmental Affairs, City of Helsinki*

*Johan Nyhus, President of LUCI and Deputy Mayor of Gothenburg*

21:00 **Walk through the heart of Helsinki**

The historical centre of Helsinki is full of life – not least because of its ambitious lighting design. Recent developments include, for example, the brand new illumination of the district's impressive statues and other art pieces.



24  
SEPT

Thursday

8:45 **Registrations and coffee** / Finlandia Hall - Helsinki Hall - 2nd floor

Moderator: Piia Pasanen

9:30 **Opening of the Annual General Meeting**

*Jussi Pajunen, Mayor of Helsinki*

*Johan Nyhus, President of LUCI and Deputy Mayor of Gothenburg*

9:50 **Helsinki today, current projects in city planning**

*Mikko Aho, Director of City Planning, Architect, City of Helsinki*

This presentation will give an overview of the present situation of urban planning in Helsinki and future visions for the city's development. The city is preparing for significant population growth and is currently formulating a new master plan for 2050.

10:30 Coffee break

11:00 - 12:30

## Outdoor lighting in Helsinki - facts, goals and visions

**11:00 General introduction – outdoor lighting in Helsinki***Olli Markkanen, Office Manager, Public Works Department, City of Helsinki**Juhani Sandström, Lighting Manager, Public Works Department, City of Helsinki*

This presentation will introduce the larger scope of the outdoor lighting process in Helsinki: from analysis of the lighting needs to general planning, through to implementation and, finally, maintenance.

**11:30 Lights of Kruunuvuorenranta***Riitta Jalkanen, Architect, City of Helsinki*

A new residential district opposite the downtown area of Helsinki on a former Laajasalo oil terminal is under construction. This new area will be one of the most prominent marine fronts and will be visible from the city centre, the sea and surrounding islands. Both permanent and temporary lighting arrangements are planned, with new innovative, ecological, lighting control methods.

**11:50 Silo 468 – written by the winds***Tapio Rosenius, Director, Lighting Design Collective*

A disused oil silo has been converted into a mesmerising light art piece and public space with the aid of swarm intelligence, interactive lighting and coding. It aims to draw attention to the unknown district and create a landmark and marketing device for the city.

**12:10 Helsinki Senate Square – inspiring architectural lighting design for the historical city centre***Roope Siirainen, Principal Lighting Designer, Owner, VALOA Design Ltd.*

The historical and architectural significance of the Senate Square is remarkable locally, nationally and internationally. The lighting master plan of the Senate Square highlights the public space, its architecture and historical value through elegant lighting solutions. Facades are the main focus, using light to emphasise the hierarchy of the buildings, thus creating an identity for the area.

12:30 Lunch / Finlandia Hall

14:00 - 16:30

## LUCI General Assembly meeting

/ Finlandia Hall - Terrace Hall - 1st floor

LUCI members will have the opportunity to learn about the network's ongoing and future activities. Commissions will present their work over the past year, and the meeting will also be a space to discuss perspectives, upcoming LUCI events and projects, as well as the network's financial results.

*This afternoon session will include a coffee break.*

16:30 Free time

18:00 Departure from the hotel (by bus)

**18:30 Helsinki archipelago and Silo 468 dinner cruise**

The cruise starts with a visit to Silo 468, a unique urban light art piece in Kruunuvuorenranta; continues with a delicious dinner at sea; and climaxes with an exploration of the Bright Baana event, during which the bridges of the pedestrian and bicycle corridor Baana are transformed into lighting installations for four days.

8:30 Registrations and coffee / Finlandia Hall - Helsinki Hall - 2nd floor

Moderator: Piia Pasanen

9:10 - 10:30

## Improving lighting through research

**9:10 Outdoor lighting research at Aalto University Lighting Unit**

*Liisa Halonen, Professor, Aalto University*

Aalto Lighting Unit is conducting major research on LED lighting for buildings and smart cities. The Unit has largely contributed to development of mesopic photometry. The possibilities and benefits of LED outdoor lighting and smart control are studied from performance, cost and environmental perspectives.

**9:50 From visual indeterminacy towards a pleasant environment – lighting to reduce the feeling of insecurity in parks and recreational areas**

*Tülay Schakir, Visual Artist, Lighting Designer, Doctoral student, University of Arts, Helsinki*

The objective of the study "lights, shadows and threats" was to investigate the experiences of discomfort in parks and recreational areas. The aim was to identify the factors causing discomfort and distinguish those that could be altered by lighting, as well as look for new approaches towards lighting design.

**10:10 Smart control – enhanced comfort and functionality to LED lighting**

*Eveliina Juntunen, Research Scientist, D. Sc. (tech.), VTT Technical Research Centre of Finland*

Currently energy saving targets set by many countries are driving the development of smart lighting control. Beyond energy savings, smart control enables new features and functionalities in street lighting. The installation in Helsinki, Malminkartano, will be introduced as a concrete example of smart control use in real environment.

10:30 Coffee break

11:00 - 12:30

## Sharing northern light inspiration

**11:00 Light for four seasons***Visa Salojärvi, Meteorologist, Foreca Ltd.*

This presentation will highlight the lighting conditions on earth during different seasons, in different parts of the globe. The duration of the daylight changes from zero to 24 hours, depending on the location and time of the year. This causes great challenges for artificial lighting.

**11:20 Dark side of light – reducing light pollution for an eco-friendly society***Jari Lyytimäki, Senior Researcher, Finnish Environment Institute*

The negative effects of lighting on the environment, human health and society have been increasingly gaining attention, and various measures to reduce unwanted light have been suggested. This presentation ponders on the concept of light pollution, presents key results from national-level survey charting public perceptions of light pollution, and seeks perspectives for eco-friendly solutions.

**11:40 Creating Helsinki Christmas lighting through co-design and citizen involvement***Pia Rantanen, Architect, Public Works Department, City of Helsinki**Sirpa Laitinen, Interior Architect, IMIAD, Design Studio, WSP Finland Ltd.**Pia Salmi, Industrial Designer, MA, Design Studio, WSP Finland Ltd.*

Helsinki uses co-design project methods to commit all the stakeholders in order to ensure distinctive and coherent Christmas lights. This enables the city to be aware of the most desirable decorative themes, which central locations to allocate for new Christmas lighting, and how even the smallest shops can contribute to this process.

**12:05 Lux Helsinki – city event and light art festival***Ilkka Paloniemi, Artistic Director, Lux Helsinki*

Since 1995, the City of Helsinki has been organising an annual light art festival. Key guiding principles of the Lux Helsinki festival are versatility and quality, as well as the significance of content – ranging from minimalism to spectacles, high quality art to easy entertainment pieces.

12:30 Lunch / Finlandia Hall

14:00 - 17:00

## Open Conference sessions

From master planning to festivals, through to smart lighting and innovative technologies, a great variety of topics related to outdoor lighting will be addressed in this unique city forum. An opportunity for all participants to discuss and exchange viewpoints on urban lighting trends with cities from around the world!

TRACK 1 - ROOM 24

14:00	<b>Busan urban lighting master plan</b> <i>Chul Kwon Kim, General Manager, Cityscape Management of Busan city</i>
14:25	<b>The first Budapest public lighting master plan 2015</b> <i>Zoltán Pap, Managing Director, Budapest Public and Flood Lighting Company</i>
14:50	<b>"Lighting Metropolis" new INTERREG VA project + DOLL smart city lighting lab</b> <i>Flemming Joergensen, Member of Albertslund Municipal Council, Chairman of City Innovation Committee</i>
15:15	Coffee break
15:45	<b>Seoul urban lighting master plan</b> <i>Hoon Ryu, Director General Urban Planning, Seoul Metropolitan Government</i>
16:10	<b>Establishing regulations to prevent obtrusive LED lighting and light pollution</b> <i>Bart Peeters, Urban Lighting Advisor, City of Ghent</i>
16:35	<b>Havenspoorpad Rotterdam – dynamic lighting with seven tele-management suppliers</b> <i>Olivier Van Herck, Asset Manager Roads and Public Lighting, Municipality of Rotterdam</i>





## TRACK 2 - ROOM 23

14:00	<p><b>LED lighting in Paris – criteria and qualification of luminaire performance and the impact on urban lighting during the EPC contract</b></p> <p><i>Denis Perrot, Head of Expertise and Innovation, EVESA and Patrick Duguet, Head of Public Lighting, City of Paris</i></p>
14:25	<p><b>Welcome to Transforming Glasgow – the role of urban lighting in the transformation of the city</b></p> <p><i>Cathy Johnston, Group Manager, Glasgow City Council</i></p>
14:50	<p><b>LED in public lighting – from research and specification to implementation</b></p> <p><i>Koen Putteman, Head of Asset Management and Technology Public Lighting, Eandis</i></p>
15:15	Coffee break
15:45	<p><b>New lighting control system and LED lighting projects in Tallinn</b></p> <p><i>Tarmo Sulg, Deputy Head, Tallinn Municipal Engineering Services Department</i></p>
16:10	<p><b>Valoa Oulu – a festival in arctic darkness and winter</b></p> <p><i>Piia Rantala-Korhonen, Deputy Mayor, City of Oulu</i></p>

17:00 Free time

18:40 Departure from the hotel (by bus)

**19:00 International Philips/LUCI city.people.light award ceremony and dinner** / restaurant Pörssi

Each year, the international PHILIPS/LUCI city.people.light award rewards three cities that best demonstrate the added value that lighting can bring to the urban environment through the integration of the notions of “city”, “people” and “light” in a coherent lighting strategy.



**MODERATOR**  
**Piia Pasanen**

*Piia Pasanen is a Finnish journalist and TV presenter. She has worked for Finnish Broadcasting Company YLE for almost 20 years in different programmes, mainly as a news anchor.*



**Mikko Aho**

Director of City Planning, Architect, City of Helsinki

*Mikko Aho has previously served both as Municipal Manager and Director of Development of the Municipality of Sipoo. He has also been the Technical Director of the City of Karkkila and City Planner at the Municipality of Mäntsälä. He began his career working as an architect and designer in several architectural offices.*



**Olli Markkanen**

Office Manager, Public Works Department, City of Helsinki

*Holding a Master of Science from the Helsinki University of Technology, he started as the Manager of Outdoor Lighting at Helsinki Energy in 2002. The network and organisation recently moved to the Public Works Department, where he is currently the Office Manager. Previously he has also been in charge of the lighting design for the neighbouring cities, and Helsinki Vuosaari Harbour project.*



**Juhani Sandström**

Lighting Manager, Public Works Department, City of Helsinki

*Juhani Sandström graduated from the Helsinki University of Technology with a Master of Science (Tech.). He has been working as the Lighting Manager at the City of Helsinki since 2003. He is responsible for outlining the quality, targets and financing of public lighting in Helsinki. Before his current position, he worked as the project leader at the City of Helsinki, in a private design company and the Finnish Road Administration.*



**Riitta Jalkanen**

Architect, City of Helsinki

*Riitta Jalkanen is an architect and has worked for the Helsinki City Planning Department from 1974 to 2013. During that time, between 2002 and 2013, she was the leader of the Kruunuvuorenranta project. She has also taught at the Aalto University and contributed to the book "Planning of Residential Areas" with a group of authors.*



**Tapio Rosenius**

Director, Lighting Design Collective

*Tapio Rosenius is the founder and design director of the Lighting Design Collective (LDC). The company has three studios based in Europe (Madrid, London and Helsinki) and operates globally. Tapio is a designer and an artist with over a hundred completed projects in 23 countries throughout Europe, Africa, Asia and the Middle East.*



**Roope Siirainen**

Principal Lighting Designer, Owner, VALOA Design Ltd.

*Roope Siirainen received a Masters degree in lighting design from the Theatre Academy in 1995 and founded Valoa Design Ltd., one of the first lighting design offices in Finland specialised in architectural lighting. He has won several national and international lighting awards, including the city.people.light award 2005.*



**Liisa Halonen**

Professor, Lighting Unit, Aalto University

*Liisa Halonen is a professor at Aalto University. She leads the Lighting Unit and is responsible for education courses in illuminating engineering. She has managed over 80 research projects and has also coordinated several EU projects and the IEA Project "Energy Efficient Electric Lighting for Buildings".*



### Tülay Schakir

Visual Artist, Lighting Designer, Doctoral student, University of Arts, Helsinki

*Tülay Schakir is a lighting designer and visual artist. Currently she is a doctoral student at the University of Arts Helsinki and her research title is "Light, Perception and Being as Art". She has worked on diverse projects including stage design and lighting, architectural and environmental lighting and visual light art.*



### Eveliina Juntunen

Research Scientist, D. Sc. (tech.), VTT Technical Research Centre of Finland

*Eveliina Juntunen received the Master of Science (Tech.) and Doctor of Science (Tech.) degrees in electrical engineering from the University of Oulu in 2004 and 2014, respectively. In 2004, she joined the VTT Technical Research Centre of Finland, where she works as a research scientist in the intelligent sensor systems business area.*



### Visa Salojärvi

Meteorologist, Foreca Ltd.

*Visa Salojärvi began working as a meteorologist at the Finnish Meteorological Institute. Since 1999, he has been working for Foreca Ltd., the largest commercial weather forecasting company in the Nordic countries, and from 2000 as a full time meteorologist at MTV3.*



### Jari Lyytimäki

Senior Researcher, Finnish Environment Institute

*Dr. Jari Lyytimäki is a senior researcher at the Environmental Policy Centre, Finnish Environment Institute and Adjunct Professor at the University of Helsinki. His research areas include environmental communication and management of emerging environmental issues. In 2013, he co-authored an award-winning Finnish-language book on light pollution.*



### Pia Rantanen

Architect, Public Works Department, City of Helsinki

*Pia Rantanen has an architecture degree from Tampere University of Technology. She has also studied lighting design, industrial design and naval architecture at Aalto University. While working at the city for the past six years, she has specialised in urban design and city scope, bridges, public art and light art, outdoor lighting and service design.*



### Sirpa Laitinen

Interior Architect, IMIAD, Design Studio, WSP Finland Ltd.

*Sirpa Laitinen has been working for WSP since 1989 on versatile urban environment projects. She is specialised in urban lighting and accessibility. It is her ambition to develop accessible lighting for all users.*



### Pia Salmi

Industrial Designer, MA, Design Studio, WSP Finland Ltd.

*Pia Salmi is an experienced industrial designer who works as the Design Studio's unit manager. She specialises in urban townscape design, service design and architectural lighting. Over the past ten years she has been actively developing the use of user-centric design methods and constant interaction with the citizens in projects.*



### Ilkka Paloniemi

Artistic Director, Lux Helsinki

*Ilkka Paloniemi is a lighting designer, artist and leading consultant in performance art spaces and technologies. He holds a Master of Arts degree and a degree in pedagogical studies. Since 1981 his work has included several lighting designs for the theatre, opera, music, contemporary dance and festivals. Ilkka has been a head designer of several events and shows.*



**9:30 Architectural walking tour in Helsinki** (departure from the hotel)

This tour will give you an overview of the architectural pearls of Helsinki. It will showcase iconic city symbols from the main cathedrals, through Helsinki's architectural legacy by Finland's most renowned architects Carl Ludvig Engel and Alvar Aalto. Other landmarks and important urban points that give the city its identity will also be included. The tour will end at the Market Square.

**12:30 Departure from the Market Square to Suomenlinna (by boat)**

**13:00 Lunch** / restaurant Panimo

**14:30 Guided tour in Suomenlinna**

Suomenlinna is a sea fortress island which was inscribed into the UNESCO World Heritage list in 1991.

The fortress was built in 1747 as the main base for the Swedish armed forces stationed in Finland.

The island is one of the most popular tourist attractions in Helsinki and also a vibrant home to 800 residents.

**16:30 Departure from Suomenlinna**

**17:30 Arrival at the hotel**





### 9:30 Departure from the hotel for the Nuuksio National Park

In the middle of Helsinki metropolitan area, Nuuksio National Park offers a preserved piece of wilderness. Its lakes, rocks, swamps and valleys will provide the visitors with quiet spots of beauty.

### 10:30 Guided tour in the Finnish Nature Centre Haltia

The best of Finland's national treasures can be found at the Finnish Nature Centre Haltia, an ecologically designed exhibition and event centre on the fringes of Nuuksio National Park. Built entirely of massive wood elements, it is also an attractive destination for architecture lovers.

Two guided tour options are offered:

#### ■ Finnish nature

Haltia's main exhibition will fascinate the visitor with its enthralling visualisation of Finnish nature from our beautiful Baltic archipelagos to the windswept fells of Arctic Lapland.

#### ■ Haltia – The pearl of architecture

Haltia, designed by the Finnish architect Rainer Mahlamäki, is the first public building in Finland made entirely of massive cross-laminated timber. The architecture has been inspired by the Finnish national epic, Kalevala, and it features renowned aspects of Finnish design.

11:30 Lunch / restaurant Haltia

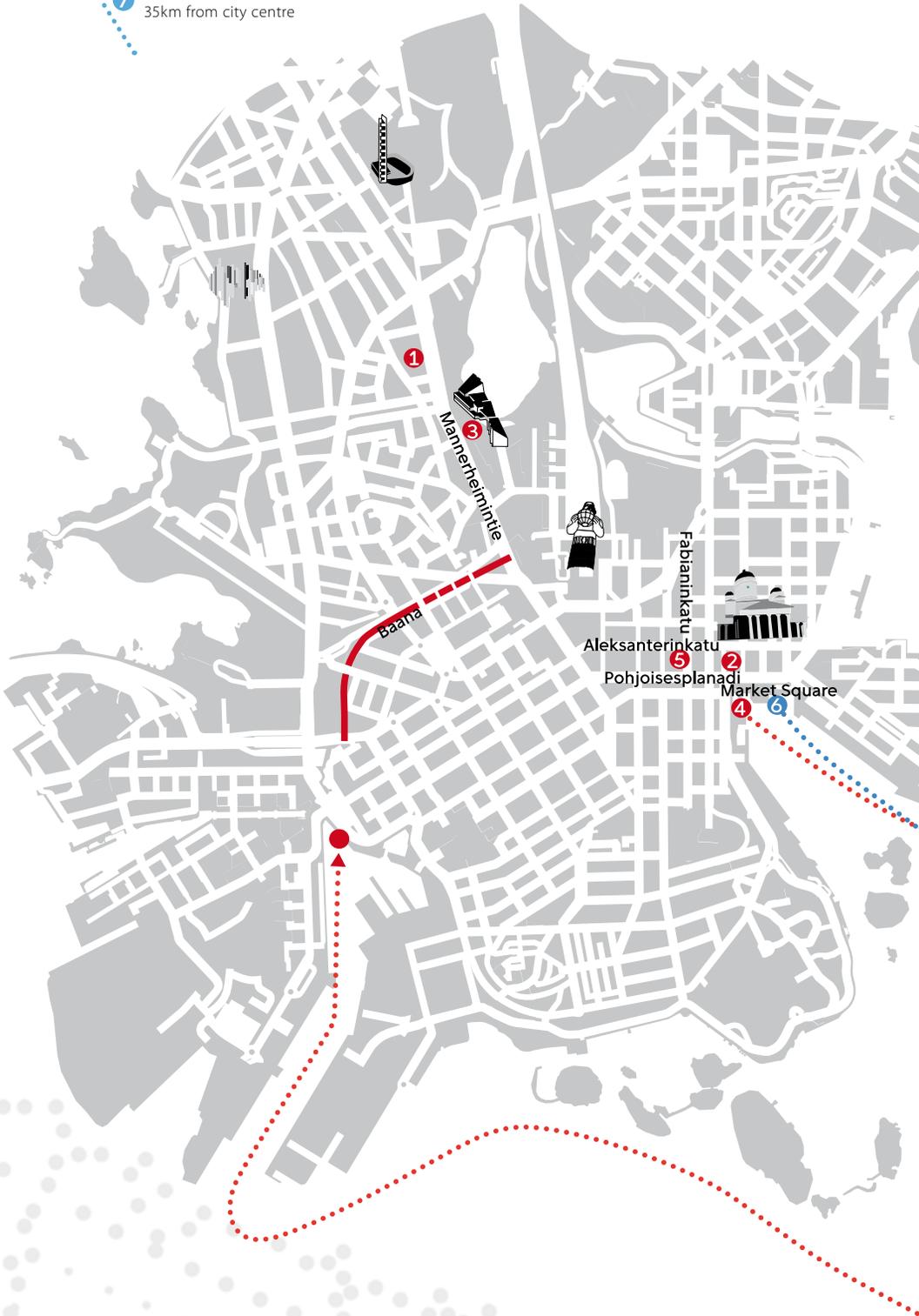
### 13:00 Visit to the Nuuksio Reindeer Park

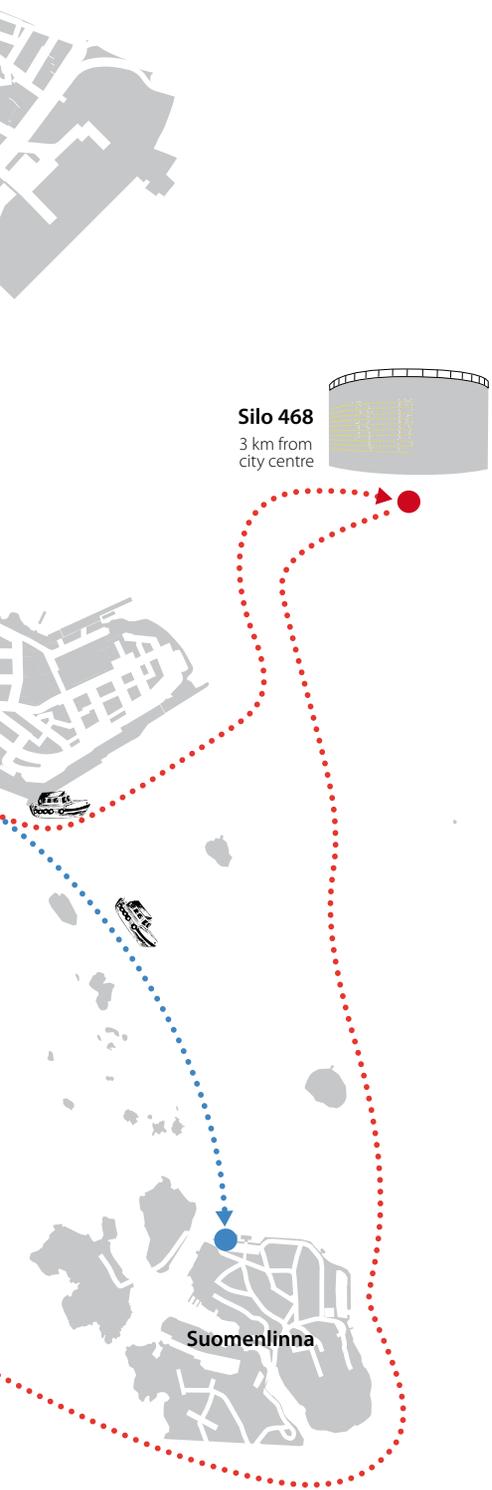
Participants will be invited to take a stroll to the small reindeer camp in the middle of the forest. They will see the reindeers at close range and feed them with reindeer moss. Coffee, tea and buns will be served in the glow of a campfire in wilderness-style tepee restaurant "White Reindeer".

14:30 Departure from Nuuksio

15:30 Arrival at the hotel

**7** Finnish Nature Centre Haltia  
35km from city centre





**Silo 468**  
3 km from  
city centre

## LUCI Annual General Meeting Helsinki | Finland

### Venues

#### ACCOMMODATION

- 1** Scandic Park Hotel  
Mannerheimintie 46
- .....

#### PROGRAMME

Wednesday

- 2** **Welcome cocktail**  
Helsinki City Hall  
Pohjoisesplanadi 11-13

Thursday & Friday

- 3** **Conference venue**  
Finlandia Hall  
Mannerheimintie 13 e

- 4** **Helsinki archipelago  
and Silo 468**

Departure from  
Market Square  
to Sillilaituri

- 5** **city.people.light  
award ceremony  
and dinner**  
Restaurant Pörssi  
Fabianinkatu 14
- .....

#### OPTIONAL PROGRAMME

Saturday

- 6** **Suomenlinna**  
Departure from  
Market Square

Sunday

- 7** **Finnish Nature Centre Haltia**

After Guangzhou (China) in 2013 and Dubrovnik (Croatia) in 2014, cities and lighting professionals worldwide are invited to Helsinki (Finland) for the LUCI Annual General Meeting 2015.

Key event of the LUCI calendar, the AGM is an international forum on urban lighting. It provides cities a unique opportunity to share experiences, exchange know-how and learn from each other through various conferences and meetings.

More information and registrations on the LUCI website: [www.luciassociation.org](http://www.luciassociation.org)

- Free participation for LUCI members
- 300 euros for non-LUCI members (accommodation not included)

## LUCI ASSOCIATION

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