

Light in the City event in Hasselt

October 17th to 19th 2013

PROJECT CASE: ÄIJÄLÄNRANTA HOUSING AREA

ÄIJÄLÄNRANTA HOUSING AREA

- 5km from the Jyväskylä city centre
- 800-1000 inhabitants
- 35 private buildings
- 10 highrise apartment buildings
- Daycare centre
- Housing fair area summer 2014!



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DEVELOPMENT PHASES

- Lighting Master Plan (VALOA design) 03/2011
- Lighting coordination with properties 02/2012
- Lighting principles for area building instructions 02/2012
- Final planning and constructing phase going on

LIGHTING PRINCIPLES FOR PUBLIC AREAS

- Luminaire-based control system for user-friendly management of led lights
- Light integrated into art and street furniture and other structures
- Emphasis on pedestrian area illumination

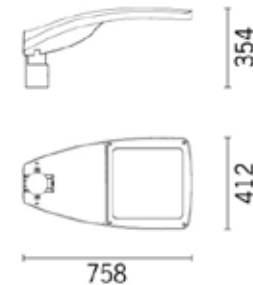
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PUBLIC LIGHTING

- First housing area in Jyväskylä to be illuminated totally with led-techniques!
- Light colour is neutral white (4000K), also on yards and parking areas of the apartment buildings.
- **Luminaire-based control system** by C2 Smartlight Ltd.
- Non-glary, energy-efficient luminaire (90 pcs), iGuzzini WOW 83W (dimmed).



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Jyväskylä
city centre:
LED street
lighting

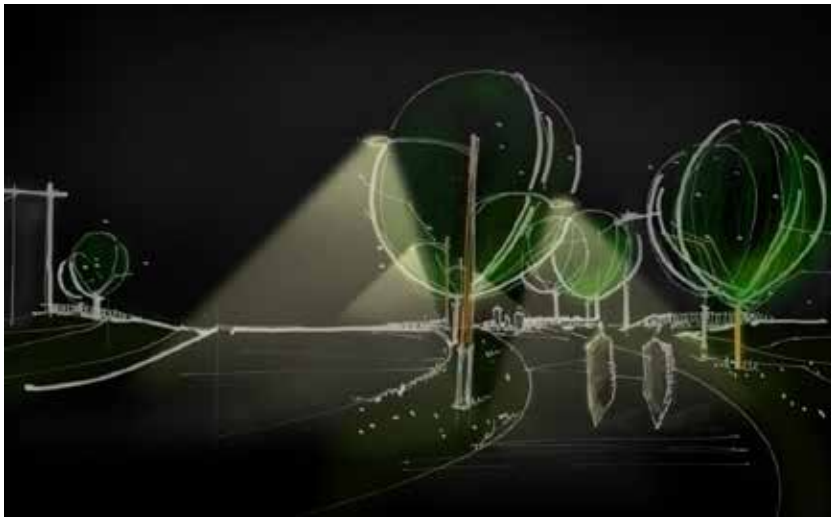


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PUBLIC LIGHTING

- Lighting level on main road ME4b, others ME5
- Energy consumption 50% less compared to sodium lamp which would have been the normal solution
- Wooden pole designed by Tehomet



Asantomessut 2014 Ajälänranta

TEHOMET

PALLAS 8
Puinen valaisinsyväis
Pyöreä kartio, mänty limapuu (GL28h)

Tyvi Ø168
tarvittaessa tehdään
jalustaan sopiva
tyviadapteri Ø140mm

Sivuvarsi 6 metrin korkeudessa.

VÄRIT

PUU: Caramel
TERÄS: RAL 9007

VALAISIN: Guzzini WOW

VERSIO A
AJÄLÄNRANNANTIE
23kpl

PEFC
PFC-COC-14181

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Esimerkkikuvia pihavalaisimista ja valaistusratkaisuista



Pesaro-valaisin / xxx / Keittiö & Sähkö



Monza-valaisin / xxx / Keittiö & Sähkö



Apollo pollari-valaisin / Caritti



Sonza-valaisin / Caritti



Huuhto ip67-valaisin / Caritti



Huuhto ip67-valaisin / Caritti

BUILDING INSTRUCTIONS, LIGHTING

Building instructions define the common principles of building for private property owners. There is also high quality lighting introduced in detail.

Lighting:

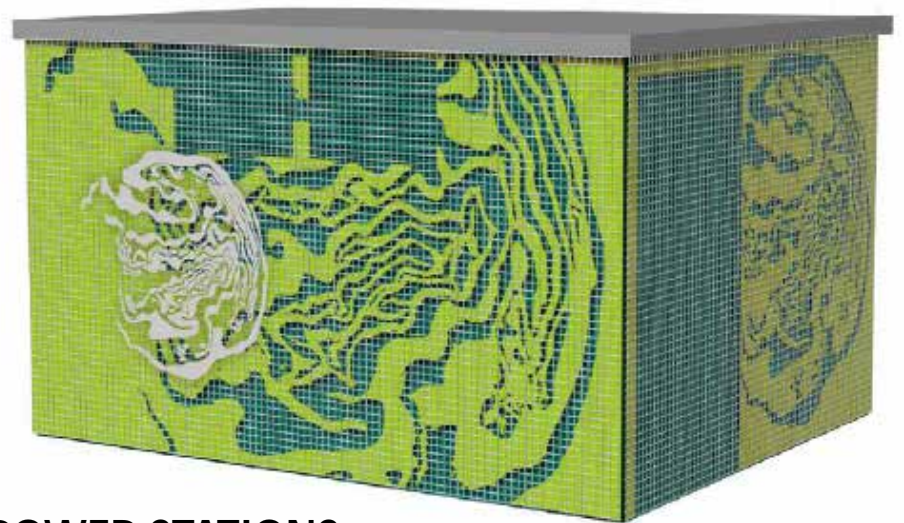
- Exterior lighting plans should be carried out simultaneously with other planning.
- Professional lighting designer required.
- Plans are to be presented to city lighting coordinator. Plans should include luminaire types, light sources and installation, maintenance and controlling methods.
- Illumination should go together with street lighting (light levels and colour).
- Lights should rather be aimed downwards to cut spill light. Facade lighting is not recommended, but entrances and paths should be highlighted.

RAKENTAMISTAPA-OHJEET - sijälänrannan asuntomessut 2014

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BRIDGE



POWER STATIONS

LAKE-SIDE AREA



FURNITURE

SUMMARY:

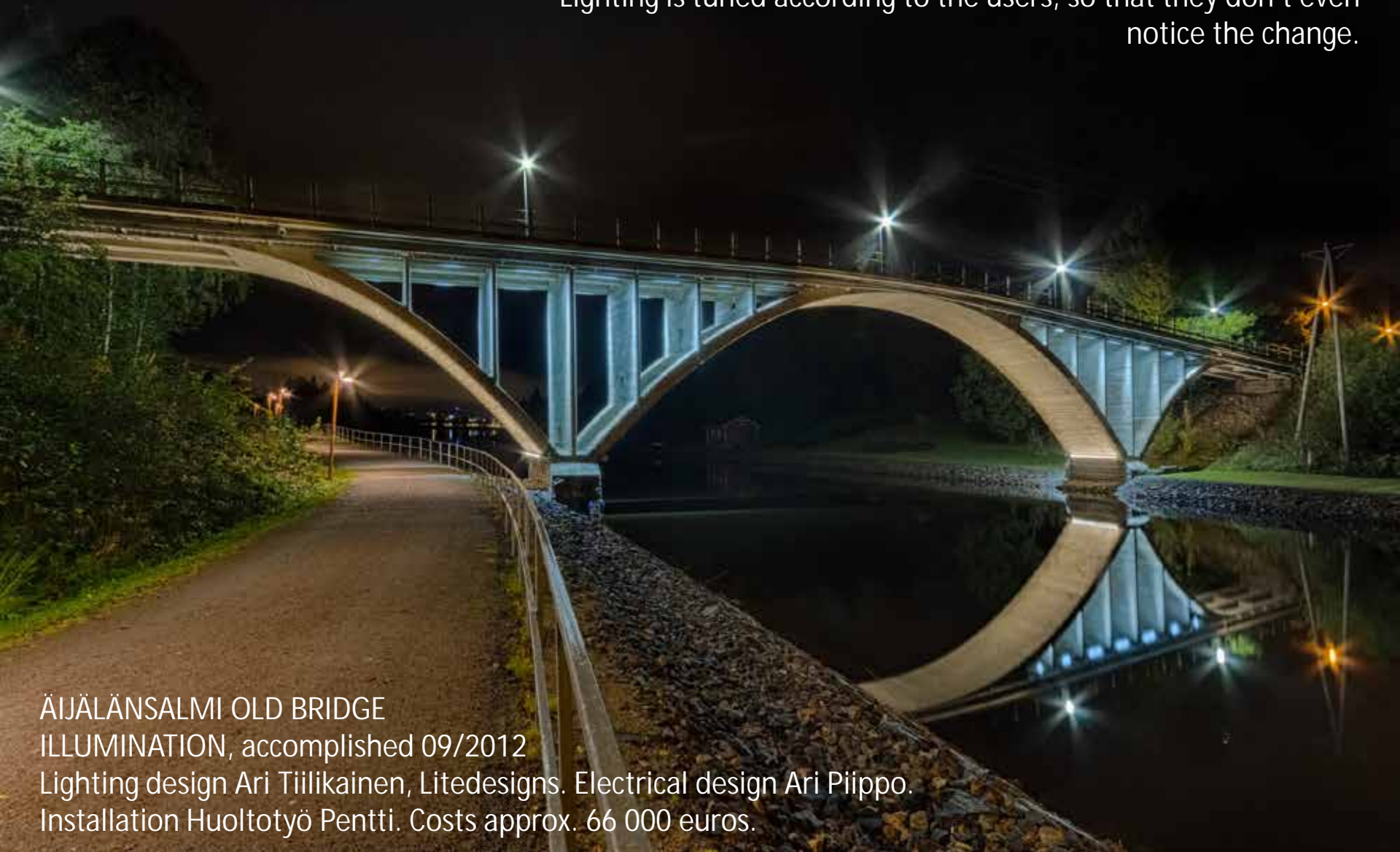
Äijälänranta area is a modern and cozy living environment. Lighting is tuned according to the users, so that they don't even notice the change.

ÄIJÄLÄNSALMI OLD BRIDGE

ILLUMINATION, accomplished 09/2012

Lighting design Ari Tiilikainen, Litedesigns. Electrical design Ari Piippo.

Installation Huoltotyö Pentti. Costs approx. 66 000 euros.



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Äijälänranta wooden poles

- Sami Hämäläinen / Tehomet Valmont

Intelligent luminaire based lighting control system

- Janne Korhonen / C2 Smartlight