

Äijälänranta Area, Jyväskylä

Intelligent Street Lighting Control Solution



Janne Korhonen

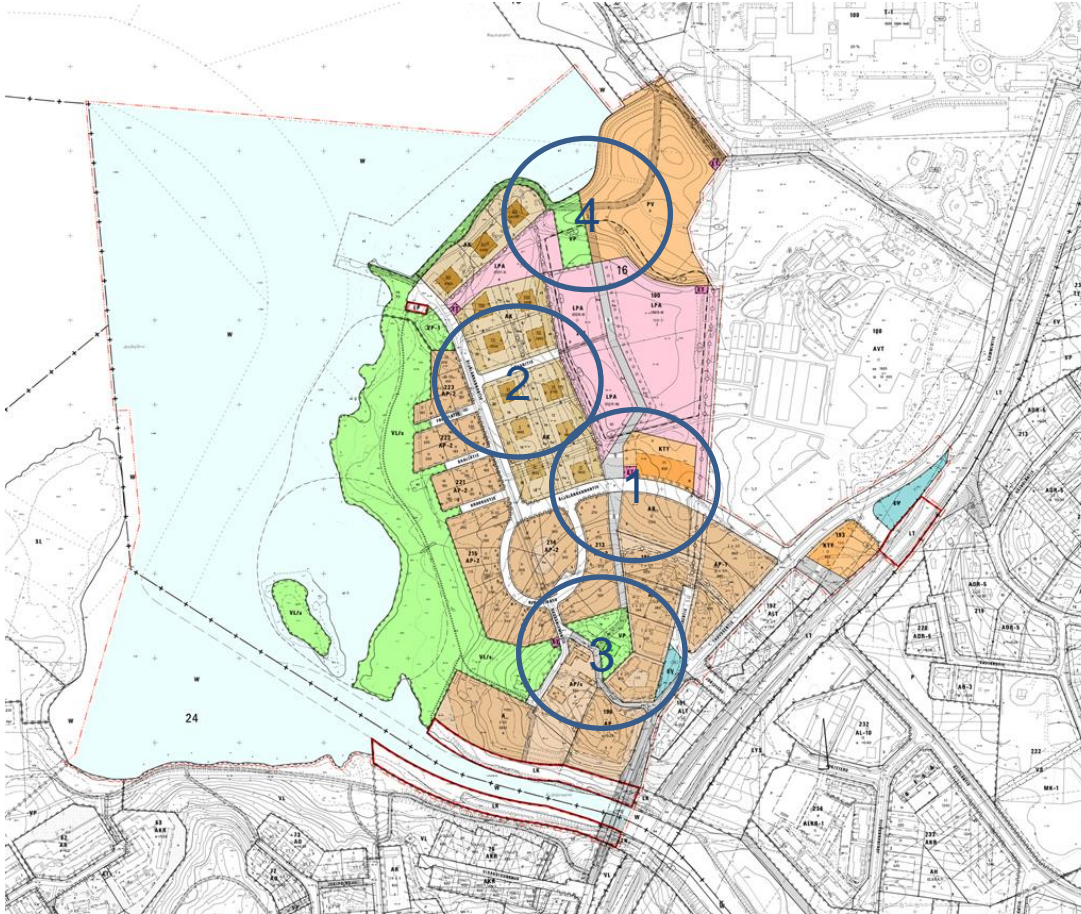
Light in the City, Hasselt, Belgium

18.10.2013

C2 SmartLight Ltd

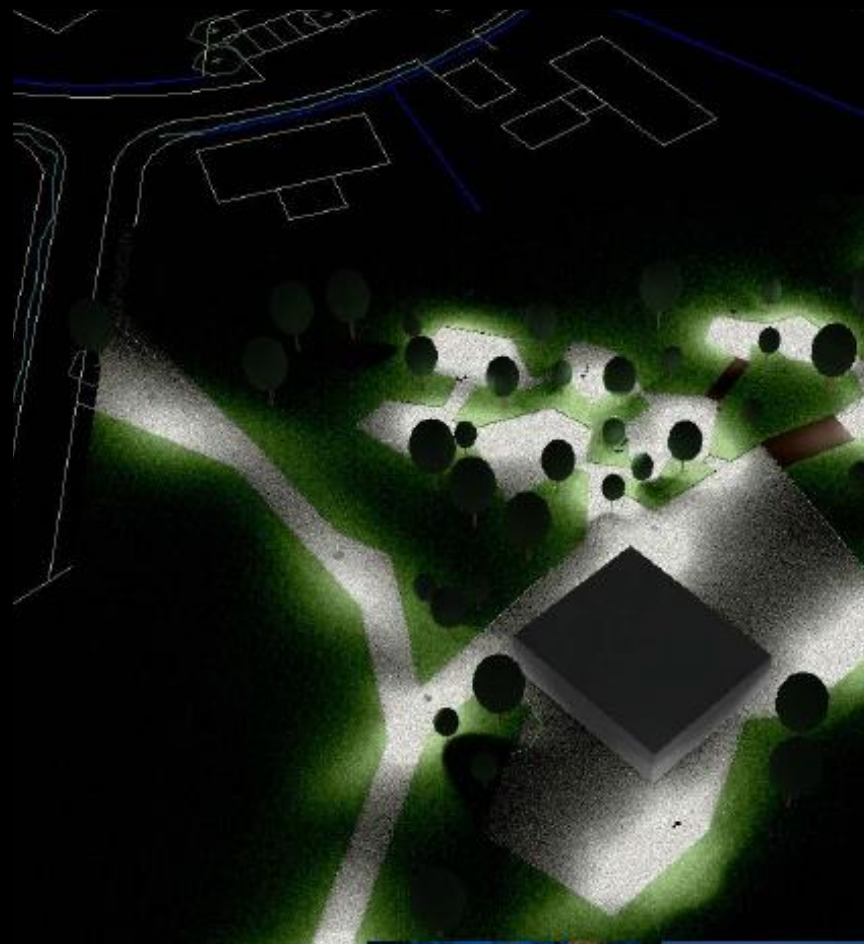
- Privately held company, founded in 2004.
- The market leader in Finland.
- HQ in Jyväskylä Finland and sale offices in Uppsala Sweden, Abu Dhabi UAE and Singapore.
- An expert in control solutions for street lighting.
- Innovative modular system
- All the products are designed and manufactured in Finland.
- C2 SmartLight® products control close to one million lighting points in the Nordic Countries.

Äijälänranta area



1. Main street to the area
2. Side Streets
3. Playground
4. Dog park





Targets for lighting control

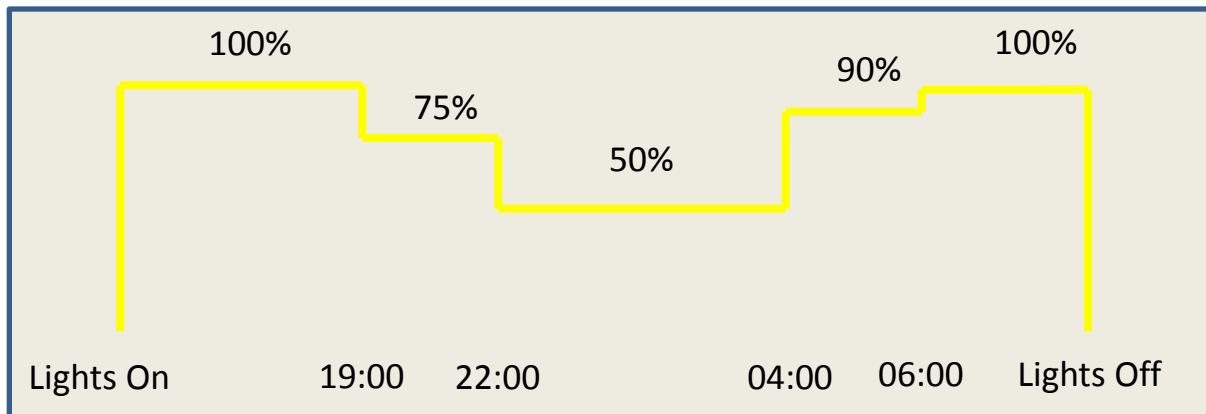
- Switch the lights ON:
 - at the desired times
 - in the desired places
 - with suitable output
- Customer Benefits:
 - Energy saving
 - Maintenance savings
 - Safety
 - Satisfied users (municipality and the inhabitants)





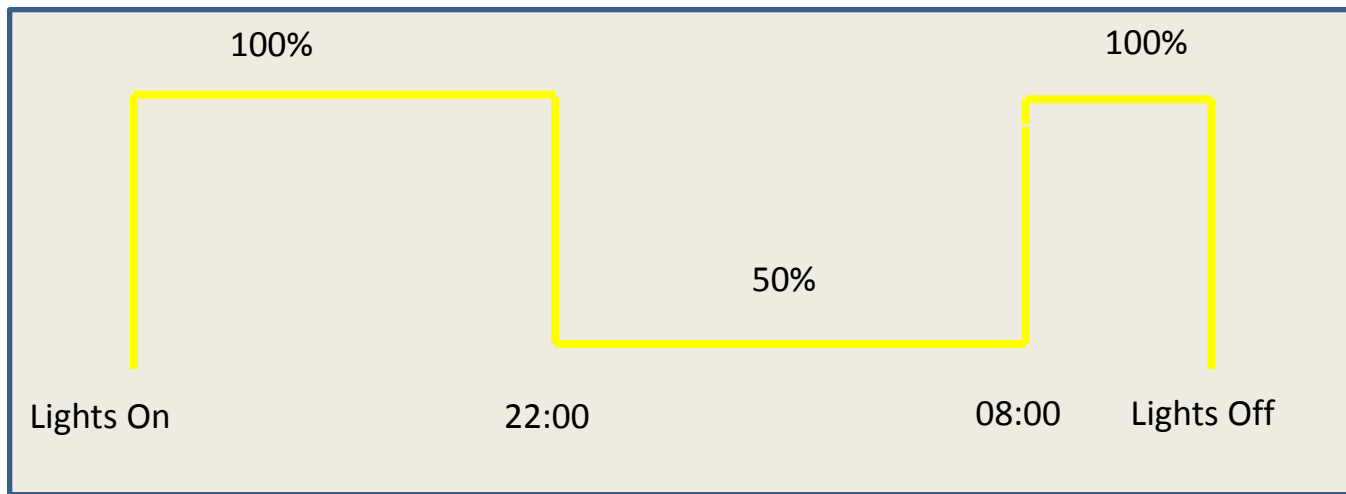
Control modes: Streets

- Main Street and Side Streets
 - Switched on / off based on centralized lux measurement
 - Scheduled dimming levels for individual luminaires
 - Individual profile for each type of street
 - Full light level at rush time and dimmed when traffic intensity is low
 - Pedestrian crossings can have 100% level constantly



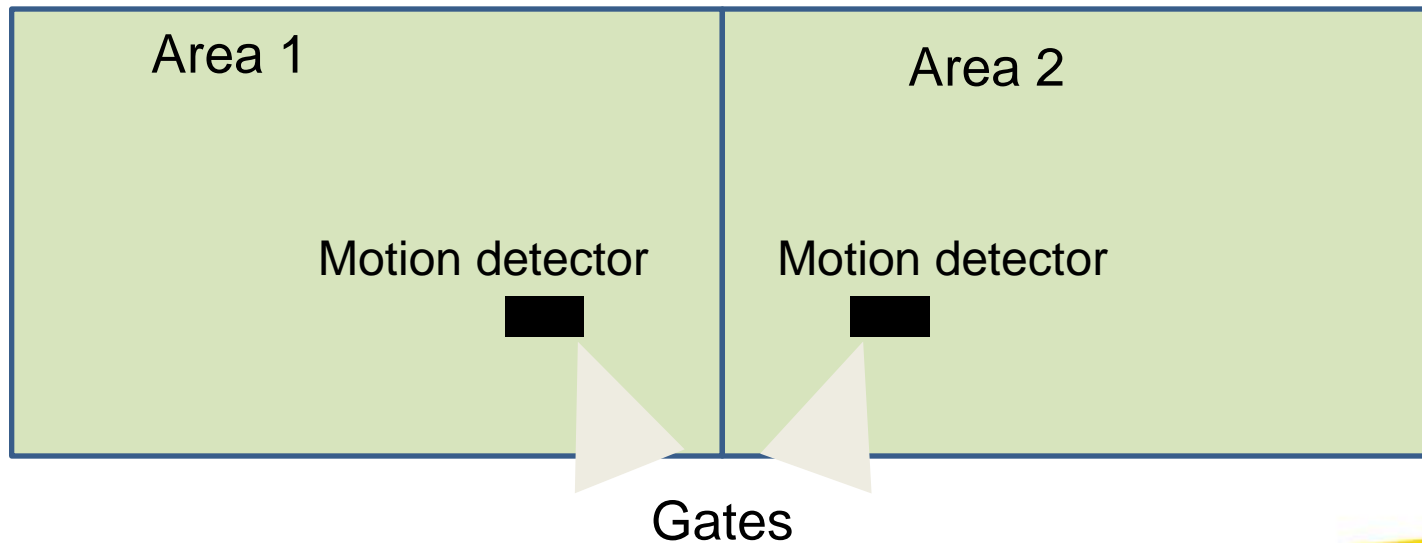
Control modes: **Playground**

- ON/OFF times based on centralized lux measurement
- Scheduled dimming levels for individual luminaires

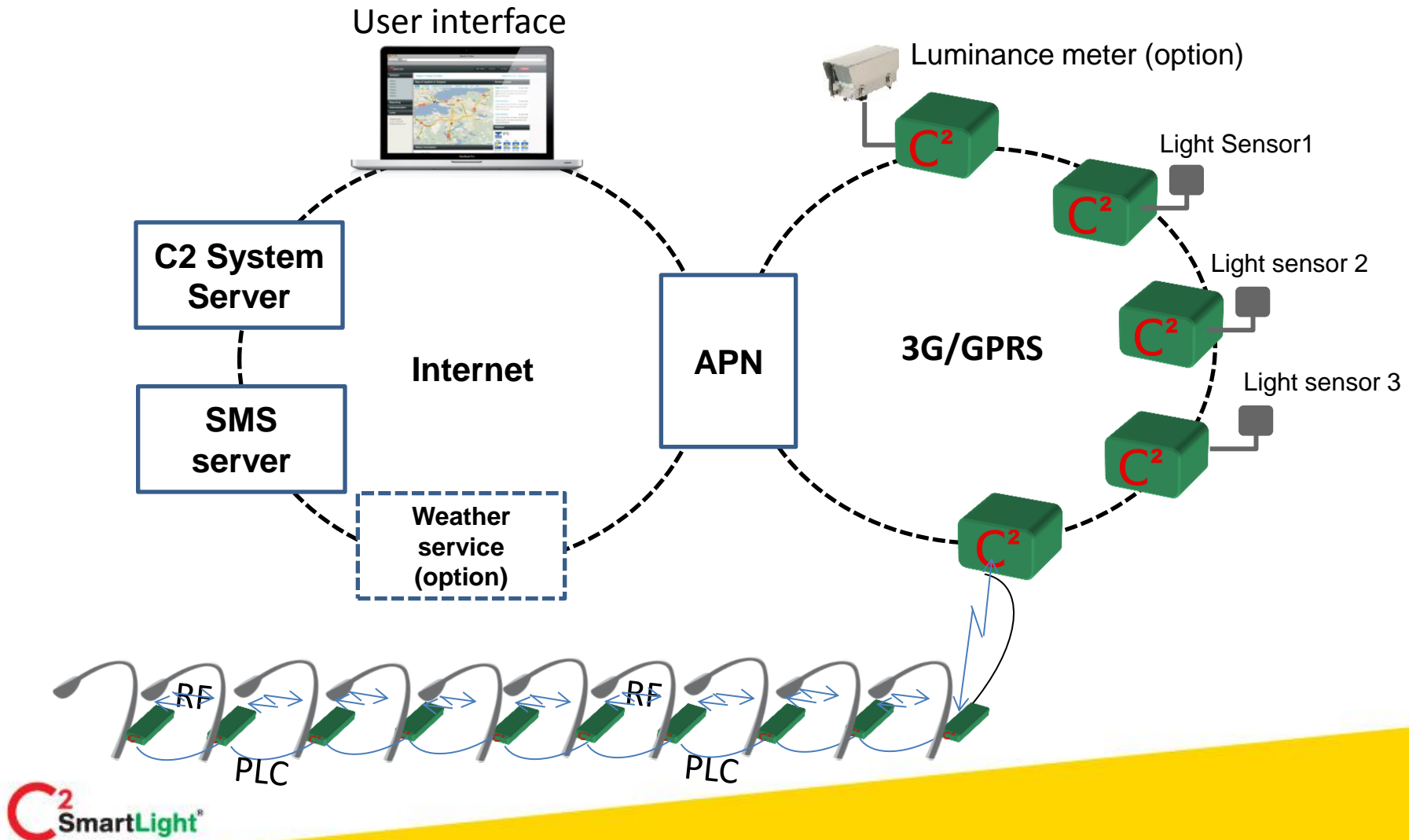


Control modes: Dog Park

- ON/OFF times based on centralized lux measurement
- Controlled by motion detectors which are pointed towards the entry gates
- Motion detector switches lights on/off automatically with a preset time delay



C2 SmartLight® control system for Äilänranta



Input information to the system

- Lux level
- Luminance
- Traffic intensity
- Motion
- Weather (Visibility, Cloudiness, Temperature..)
- Date and time (schedule)

Thanks for Your time

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