

## sense and simplicity

A future-proof approach to public lighting

Eric-Jan Rutten
Vice President - Head Turnkey Projects & Services
Philips Lighting Solutions

## Why are we here today?

- What is the opportunity?
  - 1. New lighting technology enables substantial energy savings
  - 2. A third of the EU street lighting needs to be replaced by 2015
- What can Philips Lighting Solutions offer?
   A future proof energy efficient solution to the cities' lighting needs
- What do we need to make it scalable?
   Partners willing to embark in new business models and propositions aimed at improving the wellbeing of citizens

## Outdoor lighting is about finding the right balance



Cities want to establish identity

Artificial light is disturbing a delicate balance

People want light to make room for darkness

Governments are tightening restrictions

## The LED revolution

Digital lighting is transforming the entire landscape\*





\*Source: Philips Lighting global market study 2009, updated for 2010

## A future rich in meaningful solutions

## Designed around people's needs

#### Solutions provider

- Customized solutions designed around people
- Modular, flexible, interoperable
- Working together with designers
- Business model innovation

- Business model innovator
- Integrated solutions
- New services



#### Systems & Services

- Intelligent lighting systems
- Digital
- New software standards

- Advisory
- Financing
- One-stop-shop projects
- Lifecycle services

#### **Product champion**

- Standard products
- Long lifecycles
- Technology-driven

- Selling to trade channels
- Industrial scale





## Our solution concepts

#### The basis for customized solutions



IntelligentCity

City Lighting Solutions



- IntelligentCity
- LumiMotion

Arena Solutions



ArenaExperience

Retail Lighting Solutions



- GreenEvolution
- FridgeWin
- ChainDirector

Hotel Lighting Solutions



GreenEvolution

## Office Lighting Solutions



GreenEvolution

## Industry Lighting Solutions



GreenEvolution

#### Healthcare Lighting Solutions



HealWell

## Education Lighting Solutions



SchoolVision

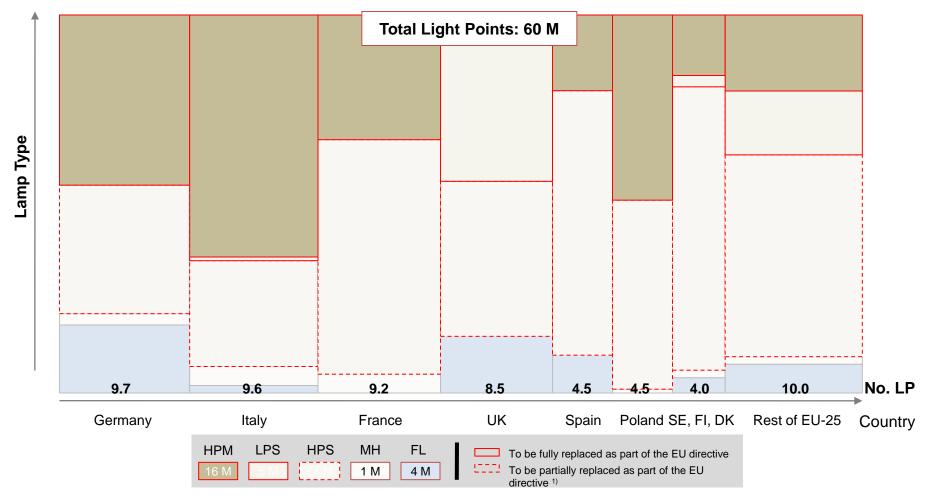
Reference cases: save substantial energy with LED and lighting controls







# Related policies: more than 35% of all street lamp types will become obsolete by 2015 in EU



Note: The EuP Directive doesn't forbid all high pressure sodium lamps but will gradually phase out the unefficient ones. Source: Preparatory Studies for Eco-design Requirements of EuPs 2007; Humatica Interviews; Lighting and Cleantech Incubator



## Examples of relevant PPP's

Croydon & Lewisham - UK



Type of Contract: PFI

Partner: Skanska

Financing Partner: Skanska

Total Value: £16M (~€18M) Lenght of Works: 5 years Lenght of Contract: 25 years

Scope: Supply

42,000 lightpoints

Luminaires & HID lamps Citytouch + Ssense RF Extended Warranty

Kuala Lumpur - MALAYSIA



Type of Contract: Installation & Maintenance

Partner: The Works Ministry of

Malaysia

Financing Partner: Philips

Total Value: RM95.5M (~€23M)

Lenght of Works: 1 year Lenght of Contract: 7 years

Scope: Installation &

Maintenance

63.1 Km Road lighting LED Luminaires + masts

Salobre - SPAIN



Type of Contract: PPP + ESCO

Partner: Gas Natural Servicios Financing Partner: Gas Natural

Fenosa

Total Value: ~€350k

Lenght of Works: 1 month Lenght of Contract: <19 years

Scope: Installation & Lighting

Maintenance 342 lighthpoints LED Luminaires + masts&brackets

Citytouch + Ssense PL

## Working as partners









**Utilities** 

Banks

Installers

Municipalities

**Public Associations** 

**Local Governments** 











Intelligent Energy Europe programme

## How can we scale this up?

#### Government stimulus

- Green Agenda
- Fiscal measures and/or subsidies
- Pragmatic policies for public tendering
- Credit support
- Creating awareness and leading by example

### Develop the market:

- Livable cities Think tanks
- Creating singular lighting projects
- Lighting master plans and PPP consultancy budgets
- Tender support for municipalities
- Teaming up with public & private sector
  - Develop framework agreements
  - Create lighting investment funds

## Summary/next steps

Innovative lighting improves livability: awareness raising and need for financing

Proven solutions exist: energy efficient/LED solutions offer great potential

We are committed to help shape the market and partner with cities, financiers and companies in different business models



