



**A2EP – 2xEP Energy Productivity Summit**  
**04-05 April, 2017**  
**Australian National Maritime Museum**  
**Darling Harbour, Sydney**

**Session 09**  
**2xEP: Making it happen**

Monica Frassoni

Lucy Arundell

Simon Corbell

*Barbara Kreissler > presentation follows*

*Chair: Rod Naylor*



*Doing more. Using less.*



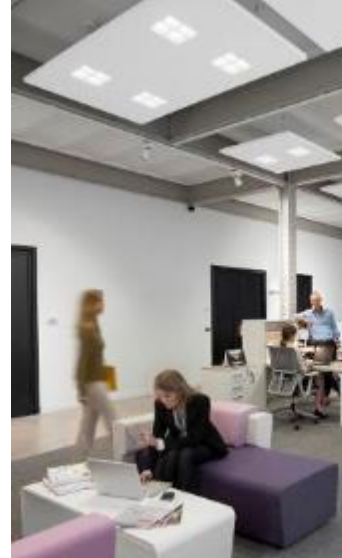
# Energy Productivity – plugging in LEDs smarter, faster, better

Barbara Kreissler  
Director, Global Public & Government Affairs  
Philips Lighting

Energy Productivity Summit  
Sydney, 5 April 2017

# Philips Lighting: The global leader

Now a public co.; ticker “**LIGHT**” at Amsterdam Stock Exchange



**€7.1**

billion in sales  
in 2016

**34K**

people employed  
worldwide in 60 countries

**~75%**

of sales are  
B2B

**#1 in LED**

59% of lighting sales  
are LED (Q4 2016)

**#1 in connected**

lighting systems and services



# Global Trends

Demographics



Urbanization



Rise of Middle-Class



Lighting currently consumes 15% of the world's electricity

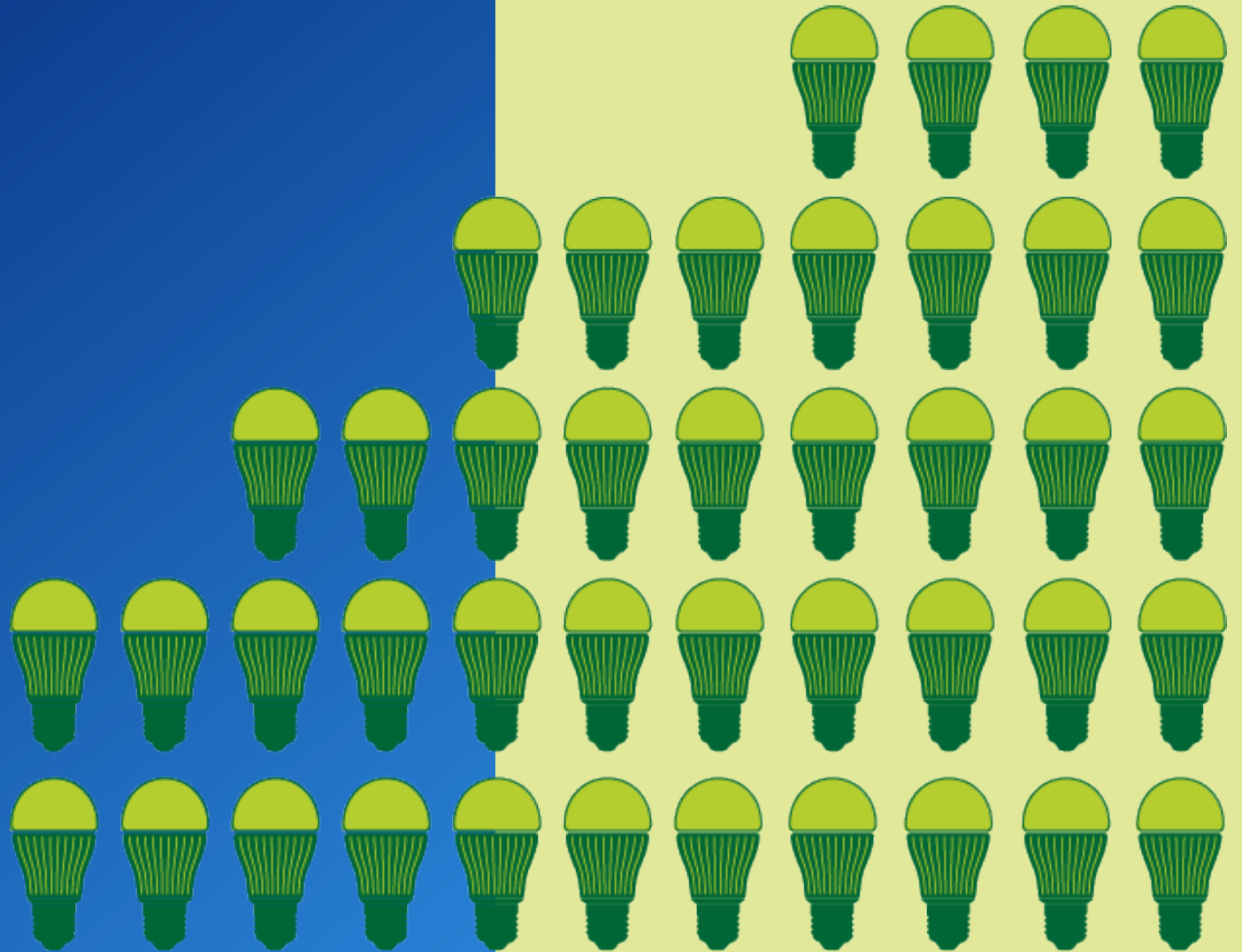


Global trends

**35%**

increase in  
Light Points

in 2030 compared to  
2006



# Need to double the rate of EE improvements!!

## 1. Accelerate renovation of existing infrastructure



## 2. Leapfrog to most efficient technology for new infrastructure



# Connect to leverage LED benefits

50-70% energy  
savings with LED



**Up to 80% savings when  
coupled with smart controls**







Lighting accounts for around  
15 % of global electricity  
consumption

300 million street lights globally  
but only 2 % are connected

With conventional technologies,  
lighting comprises around 50% of  
local governments' energy bills

**PHILIPS**

# Benefits beyond Efficiency





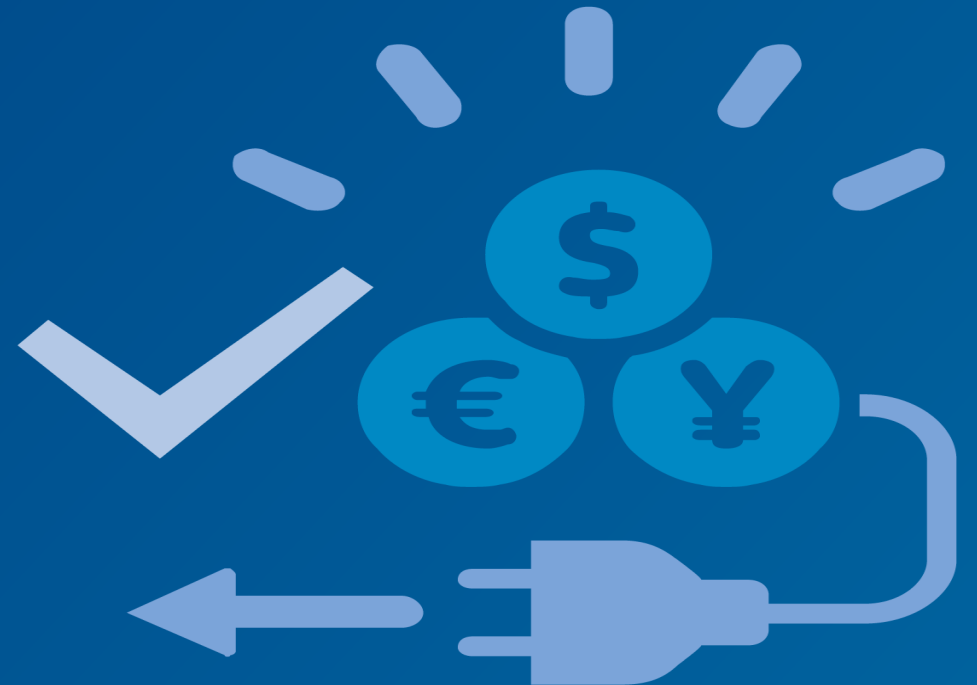
# Government Policy Frameworks

- Accelerate buildings renovation rate from 1.2% - 3%
- Long-term 2050 vision for building stock
- All new and existing buildings LED by 2030
- Performance based (public) procurement





# Innovative Financing Mechanisms for lighting

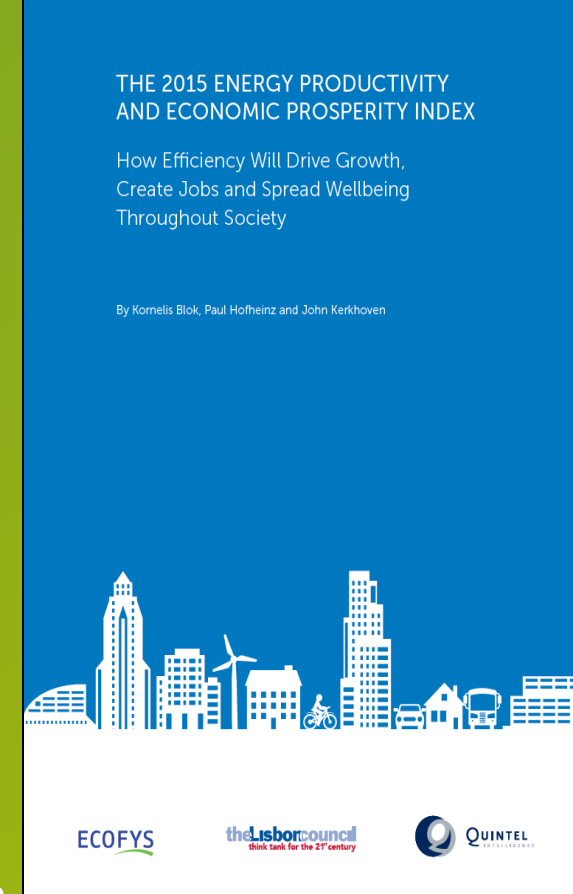


PHILIPS

# Turning Green into Growth

By doubling the rate of Energy Productivity improvement with EE technology we can:

- Slash global energy bill by more than **2 trillion €** by 2030
- Save 1/3 of household energy bills
- Create more than **6 million jobs** by 2020



# Enabling a comfortable, productive and sustainable environment at The Edge

‘The Edge’, Deloitte and AKD, the Netherlands



## Light-as-a-Service for 4<sup>th</sup> airport in Europe

### Schiphol Amsterdam Airport

- Schiphol pays for the light it uses
- 50% reduction in electricity consumption
- Real-time performance



### 3 Take Aways:

- EE = driver, EP = outcome → step up efforts to double EE
- EE creates triple benefits in energy savings, cost cuts & job creation
- Smart connected lighting solutions are key to achieve EE goals



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