

A nighttime photograph of a city skyline with various skyscrapers and a brightly lit street intersection. Several glowing green circles are overlaid on the image, creating a circular theme. The Signify logo is positioned at the top center.

signify

Circular Economy in Lighting

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Signify / Philips Lighting

Philips Lighting has changed name and is now :

The logo for Signify, featuring a stylized 'S' inside a circle followed by the word 'ignify' in a lowercase, sans-serif font.



Global product brand

PHILIPS

Including sub-brands like:



Global IoT brand

interact

Interact City
Interact Retail
Interact Office
Interact Sports
Interact Industry
Interact Landmark

Specialty brands

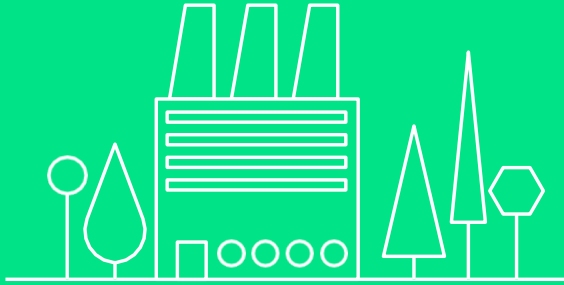


Specialty brands



Passion for Sustainability

Committed to be 100% carbon neutral in 2020



2017

#1 Industry leader, 'Electrical Components and Equipment' category,
Dow Jones Sustainability Index -
RobecoSAM

"A" Rating by Carbon Disclosure Project
for 'Climate' and 'Supply Chain'



77% sustainable
revenues
(2020 target 80%)



80% electricity from
renewables; carbon
neutral in 7 markets

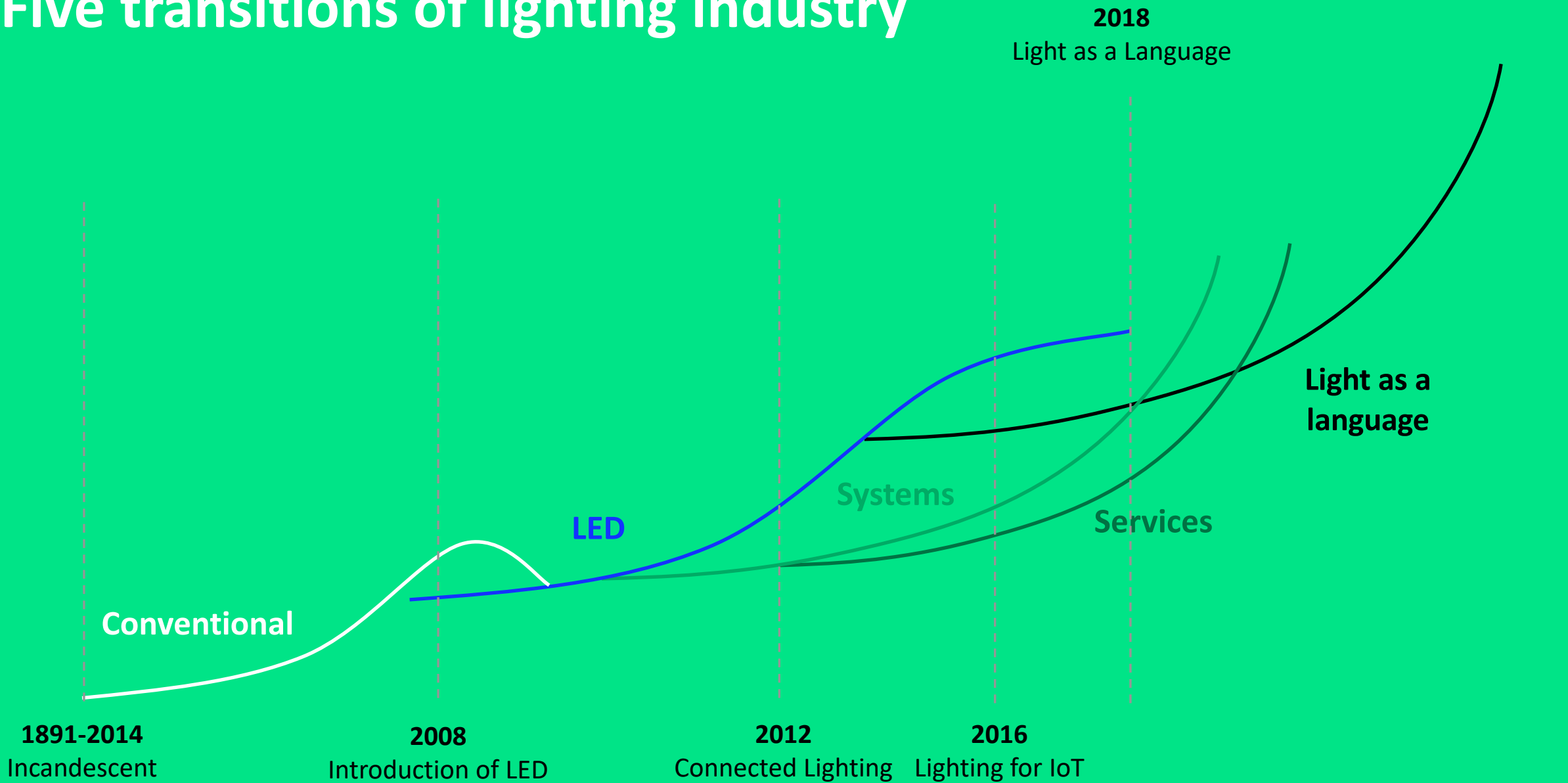


87% of industrial
waste recycled



95% sustainable supply
chain (2020 target 90%)

Five transitions of lighting industry



Four enablers for a circular economy, leading to rethinking the way we offer lighting solutions.



New business model

Unique innovative and fundamentally a new service model with circular thinking



Reverse Logistics

Philips Lighting applies the circular economy principles for end-of-life lighting systems and products



Design

Smart and sustainable products caring about the future and after end-of-life



Collaboration

Effective cross-chain and cross-sector collaboration are imperative for the large scale establishment of a circular system

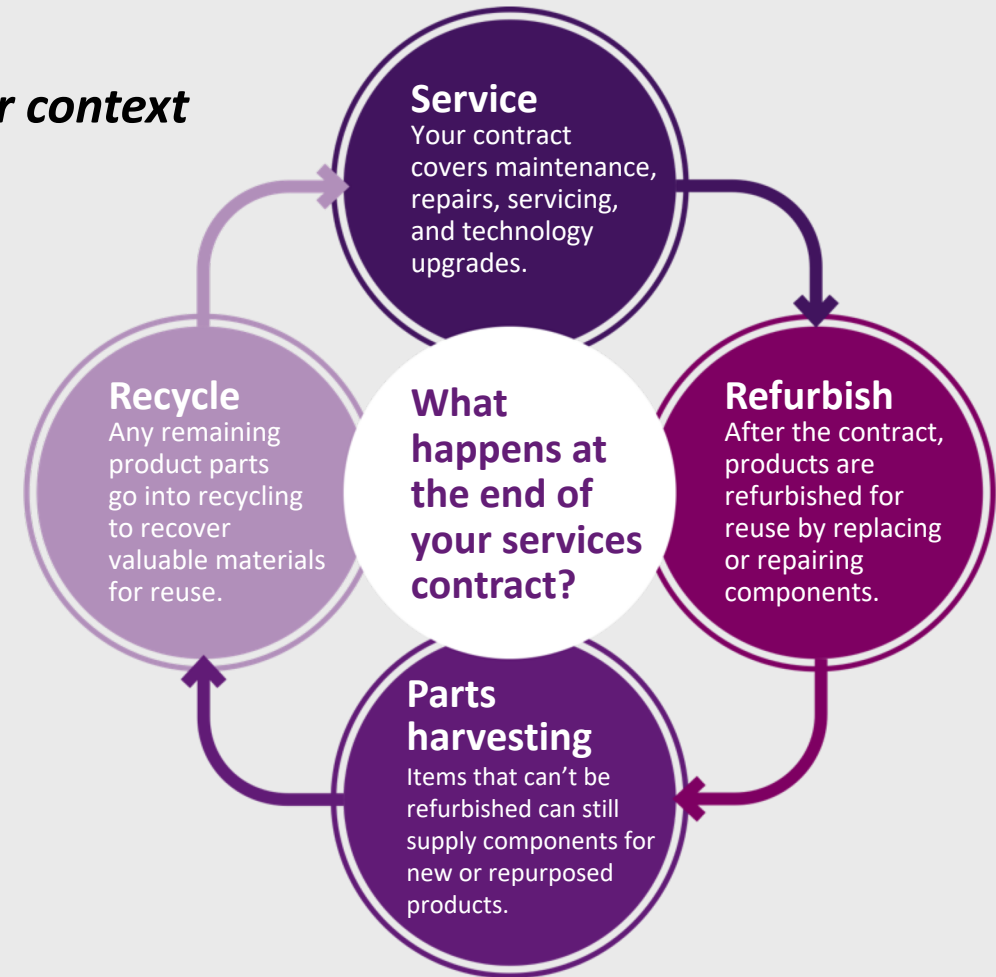


Business Model

A managed service

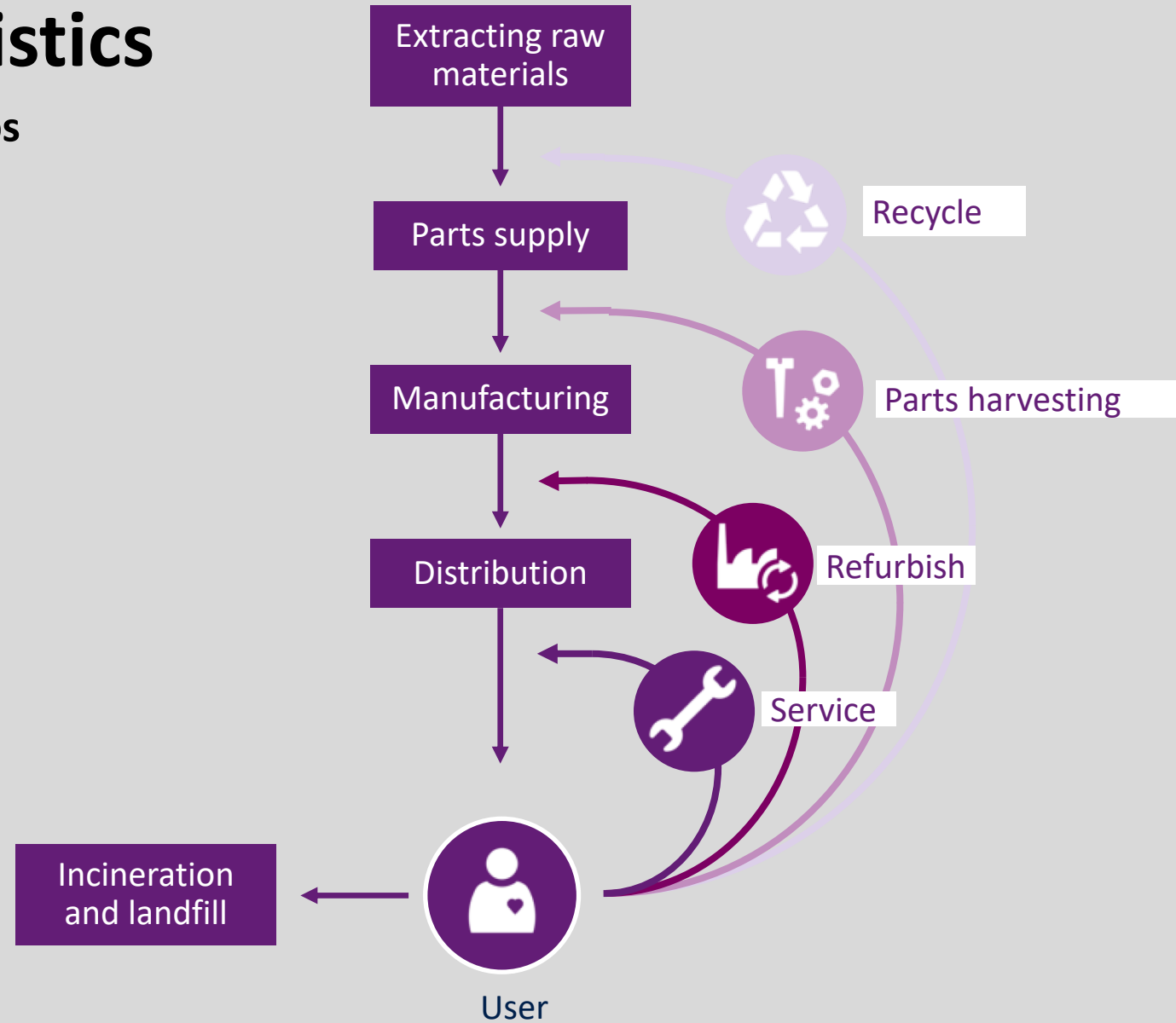
The linear business model of yesteryear will change into circular context

- **From Transactional → Relational**
 - (Light as a Service)
- **From Consumables → Durables**
 - (Product life extension by design)
- **From Possession → Performance**
 - (Performance outcome over asset ownership)
- **From Take-Make-Use → Reduce-Reuse-Recycle**
 - (Managing multiple life cycles)



Reverse Logistics

Closes 4 material loops





Reverse logistics

Closes 4 material loops

The value increases going from the outer to the inner circles

- **Recycle:**
Regaining materials (and recycled materials)
- **Parts harvesting:**
Ability to disassemble in modularity
- **Refurbish:**
Ability to re-assemble following repair (upgrade)
- **Upgradability and service:**
Maintaining functionality and performance through ser



Design

Specifically for a circular economy model

- ① **Modular**
Includes standardized components
- ② **Upgradable**
Upgradable to connected lighting system
- ③ **Disassembly**
Non-destructive, less than five steps



- ④ **Easy to maintain**
Lower failure rates due to efficient spare parts and asset management
- ⑤ **Recycling**
Product breakdown into separated materials' waste streams



Collaboration



Cross-chain and cross-sector collaboration

Creating sustainable solutions for a circular economy requires bold steps and **close collaboration between many different parties:**

- At Signify, we are embarking upon a new **service-based relationship with our customers**. We fulfill the role of a trusted long-term partner in sustainability.
- In deploying and managing the lighting installations on site, we **work with many technical partners like designers, architects and installers**.
- To enable ongoing innovations in production and performance, we **collaborate with the top suppliers and manufacturers in the supply chain**.
- Our good relationships with **leading sustainability consultants and researchers** let us stay at the cutting edge of lighting innovation creating brighter lives and a better world.

Circular Lighting enables Schiphol
to become one of the most
sustainable airports in the world





Case study: Bruynzeel



Bruynzeel Storage Systems is a manufacturer, advisor, and installer that develops space-saving and archiving systems for government, libraries, hospitals, and museums. The company is also determined to save resources. Their circular approach to business turns waste, by-products and emissions into materials that can be used in their production cycles. A successful model that gives real ambition to their aim of creating a truly sustainable future.

Customer needs

- New level of control over lighting energy usage
- Bruynzeel wanted to focus on their core business rather than the ownership and management of their lighting infrastructure.
- The company wanted a new level of control over energy use for lighting, as well as an end-to-end solution that would also give them the ability to maximize recycling in line with their circular economy business agenda.

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