

PHILIPS

Circular economy

Light as a Service for Schiphol Airport

Philips Lighting

Schiphol Airport has the ambition to be in the top three most sustainable airports in the world and Philips Lighting contributes with an energy efficient lighting solution, which results in reduced CO₂ emissions and re-use of materials.

Schiphol Group, Cofely, Turntoo and Philips Lighting have entered into a collaboration for the new lighting in the terminal building (lounge 2) at Amsterdam Airport Schiphol. Light as a Service means that Schiphol pays for the light it uses while Philips Lighting remains the owner of all 3700 fixtures and installations. Philips Lighting and Cofely will be jointly responsible for the performance and durability of the system and ultimately its re-use and recycling at end-of-life. By using energy-efficient LED lamps, a 50% reduction in electricity consumption will be achieved over conventional lighting systems.

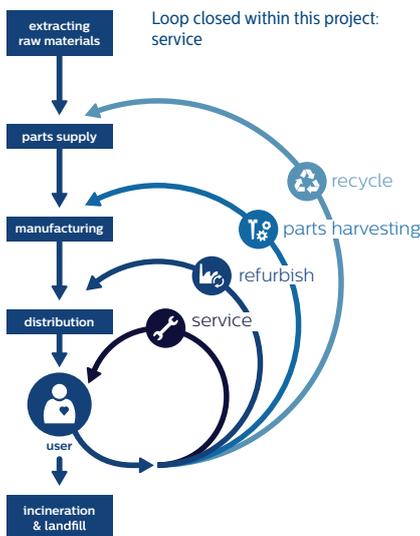
The refurbishment of Lounge 2 provides a perfect opportunity for Philips Lighting to gain knowledge and expertise for future circular economy and Light as a Service business models.



"We believe in a circular economy and want to play an active role in its realization. Together with Philips Lighting and Cofely we left the beaten path to develop an innovative, out-of-the-box solution. We set a new standard that matches the ambition level of the airport."

Jos Nijhuis, CEO and president Schiphol Group

The circular economy



The essential enablers



business models

Under the terms of this arrangement, Schiphol will no longer hold ownership of the lighting equipment in the terminal: instead, it purchases Light as a Service. Together with Cofely, Philips Lighting is responsible for performance during the contract term and offers a turnkey solution including audit, design, consulting, commissioning, maintenance, operation and a flexible financing solution.



design

In association with architects Kossmann.dejong and Philips Lighting Design, lighting fixtures were specially developed for Schiphol that will last 75% longer than other conventional fixtures as the design of the fixtures improved the serviceability and therefore improved the lifetime. In addition, the fixture components can be individually replaced.



collaboration

Supported by Cofely's round-the-clock presence at Schiphol, Philips Lighting and Cofely provide real-time management of the lighting system to generate an optimal lighting experience and sustainability. At the same time they will also be responsible for the intensity and reliability of the lighting.



reverse logistics

At the end of the contract Schiphol has the opportunity to extend the contract and upgrade the system. Philips Lighting will preserve the value by cycling longer via the service loop, followed by the refurbish/parts harvesting and eventually recycle loop.

