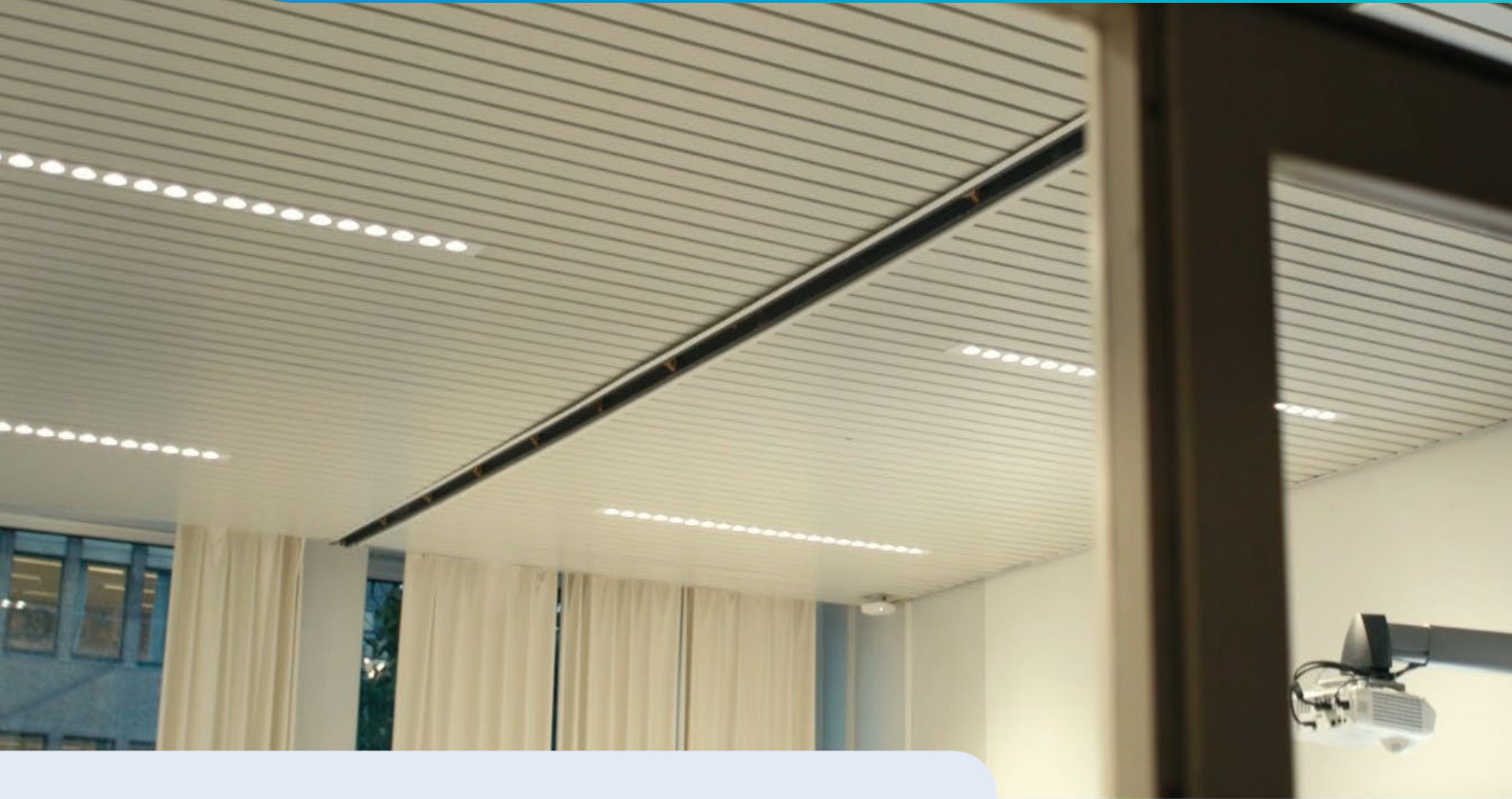




**Efficiency as a Service**  
Plugging a new energy model

**Case Study**



## Bringing Sustainable Lighting and Circular Economy Together with ETAP

*ETAP Lighting International has refurbished the lighting system of the Hemelvaart Campus of the Sint-Paulus school in Waregem, West Flanders, with highly efficient luminaires. Through a unique Circular Light as a Service (C-LaaS) contract, the school now enjoys modern LED luminaires drastically improving its energy efficiency, while its teachers and pupils can enjoy a light perfectly suited to a learning environment.*

### Country/Region

Belgium

### Customer Segment

Education

### Retrofit or new

Refurbishment

### Project size

260 luminaires

### Technology

LED lighting

## Overview

### The need:

Campus Hemelvaart in Waregem, part of the Sint-Paulus comprehensive school, has buildings dating back from the mid 19th century equipped with an outdated, fragmented and highly energy consuming lighting infrastructure.

The Campus had therefore a great need for an economical, stable lighting installation with a maintenance solution.

### The solution:

To meet this pressing need, ETAP offered the school a C-LaaS refurbishment solution, which guarantees a long service life and more comfort for teachers and pupils. Thanks to this agreement, the school is no longer responsible for maintenance, ETAP will take care of it for 20 years.

## Background

A school faces many challenges. One of them is the infrastructure and its maintenance. Campus Hemelvaart in Waregem is part of the Sint-Paulus comprehensive school and is experiencing strong growth.

Various expansions of buildings and classrooms in the past resulted in a fragmentation of types of luminaires. The oldest fixtures date back to the 60s, for which spare parts are no longer available.

The school therefore wanted to renew their lighting installation with a modern and contemporary, energy efficient system which a nice light distribution to create the best learning environment for the teachers and pupils.

In addition, to set the example, the school was on the look for a sustainable economic model in which the supplier would remain responsible for the systems produced and delivered.

## Project description

ETAP initially carried out a lighting study, which resulted in a lighting plan that takes into account the various rooms, their use and the applicable standards for lighting in schools (EN 12464-1).

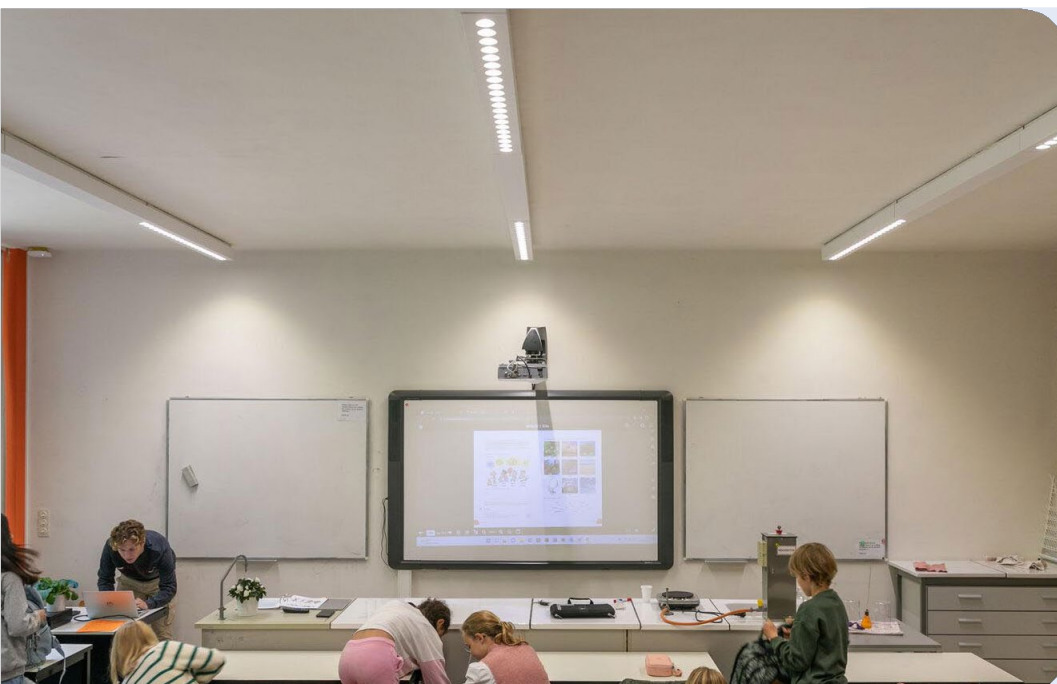
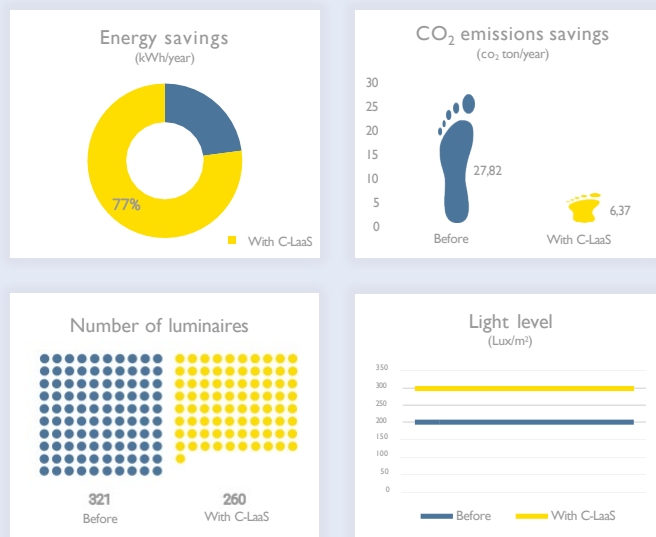
The best solution proved to be a renovation in accordance with the refurbishment principle where the old housing, connection and ceiling remain unaffected, and the light source and optics are renewed with ETAP'S innovative LED+LENS technology. The Circular Light-as-a-service contract was signed in June 2022 and the lighting system was operational in October the same year.



## EaaS Contract information

- With Circular Light as a Service (C-LaaS), ETAP offers a “managed services” solution for all the lighting supplied.
- The customer does not invest in the lighting installation. Instead, for a fixed annual fee, ETAP takes care of handle the design, financing, installation, commissioning and maintenance of the lighting while ensuring the lighting performance, energy efficiency and legal compliance of your installation throughout its lifetime. The Electricity consumption is not included in the C-LaaS annual fee.
- The investment, which consists of the lighting and the installation cost is spread over 10 years and at the beginning of each year the customer pays his annual fee. ETAP has a mix of 20 years for this project (10 years over which the installation costs are spread and 10 additional years for the maintenance), a period over which ETAP will be fully responsible for the proper functioning of the Enlightenment.
- As ETAP remains the owner of the luminaires, the installed systems are off the customer’s balance sheet.

### C-LAAS DASHBOARD



*“We made this choice very consciously. We are all responsible for the future of our planet, especially as a school.”*

**- Wim Dufourmont,  
Technical Director at  
Sint-Paulus**

## Benefits

This customisation gave the campus a more modern and uniform look to the luminaires.

The number of luminaires decreased from 321 to 260 and the energy consumption of the lighting decreased by more than 70% while the light level increased.

The refurbishing resulted in less waste on the one hand and faster implementation on the other as no additional works were required on the ceiling.

In addition, the chosen lighting solution guarantees a long service life and more comfort for teachers and students.

Last but not least, thanks to the C-LaaS agreement, the school itself is no longer responsible for maintenance. With inspections carried out by ETAP on a yearly basis, the school does not need to allocate time or energy in maintaining the performance of the lighting system.



*“Circularity in lighting is not merely a concept; it is attainable through responsible practices.*

*Circular Light as a Service (C-LaaS) acts as a catalyst, and companies like ETAP, dedicated to renovation and reusability, lead the way in responsible circularity.*

*The genuine journey towards circularity begins with producer responsibility.”*

**- Michaël Joris, New Business Developer C-LaaS**

### EaaS provider description:

ETAP Lighting International stands for more than 70 years of energy-efficient, convenient and innovative lighting solutions in professional environments, and develops - with lots of energy – sustainable and ergonomic general and emergency lighting.

<https://www.etaplighting.com/en>