



**SUSTRAINY**

Sustainable action Training for Youth



Co-funded by the  
Erasmus+ Programme  
of the European Union

# SUSTRAINY PROJECT



## PANORAMA OF SUSTAINABLE BUSINESSES PRACTICES

SAVING ENERGY IN THE  
WORKPLACE  
COCA-COLA

The project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.



# Saving energy in the workplace

## COCA-COLA



Source of the image is missing

|                         |   |
|-------------------------|---|
| Category – Key words    | Sustainable Development Goals, Circular Economy, Business, Environment, CSR, Saving Energy, Climate Chang, Affordable and Clean Energy, Responsible consumption and production, |
| Who?                    | Coca-Cola (SP)  |
| Location                | Physical and online   |
| Years of implementation | In 2007, Coca-Cola made a commitment to create a “truly global water-sustainable business.” - ongoing   |
| Website                 | <a href="https://www.coca-cola.co.uk/">https://www.coca-cola.co.uk/</a>   |



## Abstract

Coca-Cola set out to achieve its goal of reducing the absolute carbon footprint of all its processes by 15 per cent by 2020. To get to this number, they have been working to work out where they are able to save energy, considering things like installing energy-saving devices and more energy-efficient LED lighting in their fridges and freezers, or decreasing distribution emissions through more efficient storage and backhaul: where they work hand-in-hand with customers and ensure trucks are loaded for both stages of the journey. Thanks to this, no waste is sent to landfill.

In particular, Coca Cola European Partners, as part of its sustainability strategy called Avanzamos, has drawn up a series of commitments and environmental objectives for 2025, among which we can find the one that corresponds to the efficiency of its energy consumption, which is why it has installed the lighting in its facilities in Martorelles (Barcelona, Spain).

The complete change of the lighting system aims to reduce energy consumption by more than 90% to achieve minimum consumption while improving lighting conditions (3-year project). Savings in energy consumption of over 90%, in some cases exceeding 97%. This is 3.8 million kWh/year and 1,265Tm of CO<sub>2</sub>/year. This reduction in CO<sub>2</sub> emissions will be comparable to the carbon absorbed over the course of a year by a forest of 47 adult stone pines (one of the species that absorbs the most CO<sub>2</sub>).

## Concept Addressed

The advantages of adopting LED lighting are many and very important. On the one hand, there is talk of energy savings, and on the other, savings on the electricity bill, but in reality, the advantages and benefits of LED lighting are much more numerous.

Implementing LED lights in your business has a number of advantages such as:

- LED versatility; there are different types of LED lights with different shapes and bold designs. They are manufactured as directional light points, in the form of strips, ceiling lights, tubes and various types of bulbs, to replace the old incandescent bulbs, energy-saving bulbs or fluorescent tubes.
- Ecological and decorative lighting: this lighting does not use mercury or gases that produce the greenhouse effect and increase global warming. In addition, the versatility of these lights (for example in swimming pool and garden areas) makes them not only functional but also decorative.
- Efficiency, efficacy and safety: they operate on low-voltage direct current.





## Relevance

### Added value of the action

In this case, this project focuses on the reduction of energy expenditure, which in turn has a strong positive impact on the environment, because there will also be a consequent reduction in CO2 emissions. This type of project demonstrates that concrete actions can have a great impact in the short and long term, and in addition to being beneficial for the company, it is also beneficial for the environment.

### Challenges to be able to implement and/or improve this type of circular action

- To be aware of energy consumption, how to further reduce it and CO2 emissions.
- Promote other projects such as Avanzamos.
- Apart from reducing Coca-Cola's energy expenditure, always take into account environmental impact.
- Set global short- and long-term objectives with concrete actions previously studied.
- Report on the results obtained when the project ends, so that other companies can follow suit.

## Eventually accreditation

This work allowed the company to win the award for: "Best Energy Project of the Year" - iENER'19.



## Tips to implement

13 ideas for reducing energy costs in a sustainable workplace:

- -Turn off the lights and let the natural light in.
- -Select energy-saving light bulbs (LED).
- -Laptops are preferred over desktop computers.
- -On all PCs, select the hibernation functionality.
- -Make use of all gadgets' energy-saving features.
- -All old equipment should be replaced.
- -Purchase energy-saving devices.
- -Audit your energy usage.
- -When not in use, turn off the device.
- -Only print when absolutely required.
- -You have complete control over your heating and cooling.
- -If possible, consider putting up solar panels.
- -Encourage workplace sustainability.

## Bibliography

Coca Cola ahorro energético más de 90% con iluminación inteligente. (2021, 6 abril). Genia Digital Lumens. Iluminación industrial inteligente. <https://geniaenergysolutions.com/caso-exito-iluminacion-iot-industria/coca-cola-european-partners-embotelladora/>

Woodward, E. (2020, 11 mayo). 22 Ways to Save Energy in the Workplace, Office or Factory. Pressac Communications. <https://www.pressac.com/insights/22-ways-to-save-energy-in-the-workplace/>

10 ventajas de la iluminación led en el hogar - Ecoluz LED. (2020, 29 enero). Ecoluzled. <https://www.ecoluzled.com/blog/10-ventajas-de-la-iluminacion-led-hogar/>

