

UPDATE NOVEMBER 2022



Spotlight on sustainability

We are the **first** company in the entertainment lighting industry to become **ISO 14064-1:2018 certified**. We started the certification process in the knowledge that the first step towards a **greener future** is measuring the status quo, and improving our own awareness of the steps we must take to improve our operations.

In March 2022, Claypaky launched its “**CP Green – Spotlight on Sustainability**” initiative for environmental sustainability. The project was undertaken in cooperation with **Spinlife**, spin-off of the University of Padova. The Spinlife team provides public and private organizations of all sizes with tailored consulting plans regarding strategic environmental management and sustainability management techniques.

..... Believing that what is not measured cannot be improved, Claypaky took the first step of understanding, quantifying and analysing its current carbon footprint using the **ISO 14064-1:2018 norm** and **achieving certification** via a third-party auditing process.



Developed by the **International Standards Organization**, a non-governmental organization in Geneva, Switzerland, **ISO 14064** offers policy makers and organizations a ready foundation of best practices upon which to build a **GHG (Greenhouse Gases)** reduction program to address the global environmental challenge of climate change.

Claypaky successfully completed this first part of its initiative and is proud to have become the first company in the entertainment lighting industry to receive certification in the carbon inventory management system.



Simultaneous with achieving this milestone, Claypaky has defined and implemented several projects to reduce the environmental impact of its business activities. They include:

- **Plastic-free** packaging
- Implementation of the **Kanban control system** into the manufacturing process to increase efficiencies and reduce waste
- Investment into **green energy**
- Offsetting **airplane travel**

These steps demonstrate Claypaky's reputation for **innovation** and **trendsetting** not only in the product and technology field but also beyond by taking the company and its entire operations into consideration toward its **sustainability goals**.



Andreas Huber, Sustainability Manager Clay Paky, says :

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After intense investigations over the last nine months, guided by sustainability experts, we now know precisely what our CO2 emission footprint looks like. According to our company philosophy of climate protection and the development of a circular economy, we are committed to an energy-efficient and resource-conserving way of doing business and strive to develop innovative, environmentally-friendly products. We are pressing ahead with the development of a comprehensive sustainability strategy and setting ourselves specific targets with the goal of making our own operations carbon neutral latest by 2030.



As its next step, Claypaky is working on the development of a comprehensive **carbon management plan** with concrete measures regarding **how to reach carbon neutrality within its operations latest by 2030.**

This will include both the **purchase of carbon credits** and **reduction measures** aimed at more sustainable management of various activities linked to operations and product innovation, such as **installation of a self-catering photovoltaic system** or **innovation roadmap for low energy consuming products.**



UPDATE MAY 2022



Spotlight on sustainability

Eco-friendliness was not enough.

Our objective is to design a brighter future by **reducing our carbon footprint and increasing our energy-efficiency.**

We are only at the beginning, but the spotlight shows the way.

The carbon footprint is the total amount of greenhouse gas (GHG) emissions related to all the input and output of resources and energy used in the entire lifecycle of our products. As the climate is changing, it is fundamental to reduce the GHG emissions.

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To be aligned with the global objective of keeping the temperature rise below 1.5°C, **Claypaky has decided to accept this challenge!**



CLAYPAKY GOES GREEN

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Claypaky has already implemented several projects to reduce the environmental impact of its business activities. Here are just few examples:

- Implementation of the Kanban control system into our manufacturing process to increase the efficiency of the operation and reduce waste
- Optimization of the compressed air production and testing procedures leading to the reduction of the total electrical consumption and CO²
- Elimination of all solvent-based coloured ink on our product packaging
- Paperless operation in the production process and paperless fairs

But this is only **the starting point for a much bigger key company initiative.**

SPOTLIGHT ON SUSTAINABILITY

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Claypaky has launched a new company initiative **“CP Green – Spotlight on Sustainability”** to approach the topic of environmental sustainability with even greater focus and in a more systematic way.

To coordinate all the corporate initiatives, integrate them across the whole organization and secure the execution of the changes, a Sustainability team, led by **Claypaky Executive Andreas Huber** has been formed.

Marcus Graser, Claypaky CEO, says:

“ *Sustainability became a high priority in Claypaky as we aim pioneering sustainable Entertainment products and operations for a safe and better world – driving sustainability is a crucial part of fulfilling our company ambitions and goals.*



Andreas Huber says:

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My mission is orchestrating the Sustainability & Environment activities and foster lasting connections across the company inspiring and engaging colleagues across the Claypaky organization in their work to support the Sustainability & Environment activities.



I will listen to ideas from any colleague on how we can improve further.



Thanks to our cooperation with **Spinlife, spinoff of the University of Padova**, supporting Claypaky with the strategic environmental management and sustainability management techniques, a real scientific and strategical approach has been adapted in the project which is **structured in 3 main phases**:

1

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Quantification
of our current
carbon footprint

2

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Definition and
implementation
of a multi-year
strategic carbon
management
plan to reach
Carbon
Neutrality

3

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Definition of
the concrete
steps for the
compensation
and reduction of
the company's
Carbon
Footprint



In the first phases, the focus is on the quantification of current Carbon Footprint to understand the environmental hot-spots and what are the efforts to improve the current situation.

The impacts are going to be identified throughout the “**Life Cycle Assessment**” approach - an engineering methodology focusing on the quantification of the overall environmental impacts of a product or a process throughout its lifecycle according to internationally recognized standards.



After the analysis, the detailed carbon management plan will be defined with concrete measures on how to compensate, reduce and eventually **neutralize the company's carbon footprint.**

This will include both the purchase of carbon credits and actions aimed at a more sustainable management of the various activities linked to their value chain.

All of this will be done in compliance with the official "ISO 14064-1" certification standard and with the support and validation of a third-party certification body.

Claypaky is proud of being the industry pioneers in aiming for the certification!



Prof. Alessandro Manzardo, co-founder of Spinlife, says:

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Working towards a climate neutral future is fundamental to pursue a sustainable development.

Claypaky understood the urgency to act now and believes the best way to achieve this is by adopting a scientific approach to tackle climate change impacts of its activities so as to ensure real results are delivered. Spinlife is proud to contribute to this process and to independently support the company in achieving this ambitious goal.



Spinlife, a spin-off of the University of Padova, guides public and private companies in analyzing and implementing strategic and sustainable solutions adopting a scientific approach. It helps organizations and local communities in reinventing themselves, optimizing their processes and certifying their progresses, creating a bridge between business and sustainability.

Spinlife



SPIN-OFF
DELL'UNIVERSITÀ
DI PADOVA

FIRST MEASURES ON THE WAY: CARBON OFFSET AND ENERGY CONSUMPTION REDUCTION

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Flights are energy-intensive and depend on fossil fuels. These emissions from aircraft flights stay in the atmosphere longer. Because aircraft emissions are released high in the atmosphere, they have a significant impact on global climate change.

To reduce the environmental impact and partially offset the emissions produced by the business travels, **Claypaky has recently purchased 5.879 carbon credits supporting the “Asahan 1 Hydroelectric Power Plant 2 x 90 MW”** – this is a run of-river hydroelectric power project in North Sumatera Province developed by PT Bajradaya Sentranusa.

The Project is taking advantage of Asahan River that receives water from its natural source, Lake Toba. The objective of this Project is to supply zero emission energy to Sumatera

Grid, a grid with relatively carbon-intensive electricity supply that is located in Sumatera island and currently has no interconnection with the grid in other islands for example Java and Kalimantan.

On top of that, Claypaky works on the new carton packaging to eliminate the usage of the polystyrene, leading to the reduction of the greenhouse gas emissions as the usage of this material has a significant impact on global warming. **Claypaky is also continuously looking for new ways on how to reduce the energy consumption.** The production hall is about to be equipped with the modern energy efficient lighting as well as new laser cutting machines will be installed - leading to the further reductions of the electrical consumption and hence the CO² emissions on site.



Claypaky believes that the way for a sustainable future goes through concrete commitments and transparency and will keep sharing the results along the way.

Watch out for our next CP Green update coming soon!