

Hotel Cosmopolitan has swiftly embarked on a path to reduce environmental impacts by decreasing the structure's energy and water consumption through infrastructural investments and waste reduction. All while ensuring maximum comfort for its guests, making Hotel Cosmopolitan a pioneer in sustainable tourism.

The HCB's transition journey has accelerated through collaboration with the University of Bologna and Turtle S.r.l. Together, ambitious environmental goals for the HCB have been defined, alongside the necessary steps to achieve them.



TURTLE
Bridge to Sustainability
and Beyond



Firstly, a sustainability data management model, ViVACE®, has been adopted. Data collection was performed and uploaded onto ViVACE® to identify areas of major impact, followed by the identification of improvement solutions.

An effective yet non-exhaustive list of initiatives includes (energy, waste, water, transportation):

- ⚡ Installation of a 100kW photovoltaic system (completed)
- ⚡ Introduction of LED lighting in all spaces (completed)
- ⚡ 🚗 Installation of electric vehicle charging stations (completed)
- ⚡ Purchase of origin guarantees for electricity (completed)
- ⚡ 💧 Installation of new generation showerheads (completed)
- 🗑️ 💧 Introduction of potable water dispensers for bottle refills (completed)
- 🗑️ Placement of bins for recycling on all floors (completed)
- ⚡ 🔄 Replacement of refrigeration units and boilers with heat recovery heat pumps (implementation ongoing)
- ⚡ 🚗 Adoption of an electric shuttle service (implementation ongoing)
- ⚡ Installation of additional 20-50 kW photovoltaic panels (under evaluation)
- ⚡ Optimization of air conditioning consumption using A.I. (under evaluation)

Transparent Data : At HCB, we believe in transparency. The journey undertaken allows us to proudly showcase sustainability data related to our stays:

For each night's stay, 8.5 kg of CO₂eq is emitted, with energy consumption as follows (average 2022 data):

- 1.7 standard cubic meters of natural gas for heating and hot water, resulting in 3.8 kgCO₂eq/room emissions;
- 14 kilowatt-hours of electricity, resulting in 3.7 kgCO₂eq/room emissions;

With the scheduled interventions, a 45% reduction in emissions is forecasted, approximately 4.7 kgCO₂eq/room (estimated 2024 data):

- 0 standard cubic meters of natural gas, as boilers will be replaced with heat pumps
- 18 kilowatt-hours of electricity, resulting in 4.7 kgCO₂eq/room emissions

Considering the carbon footprint of purchased "green" electricity as negligible, the lodging-associated emissions are nullified. However, as a matter of principle, we've committed to acknowledging the true carbon footprint of our stays and pledge to further reduce it in the near future. Nonetheless, we've already decided to offset the residual impact of all Room Zero stays through our partnership with Blue Valley.

BlueValley, an All-Italian Compensation: The Agricola Blue Valley S.r.l. manages a fish farm in the North Venice Lagoon, using organic techniques. Through these practices, the extensive lagoon area captures significant amounts of carbon dioxide via vegetation and stores it in the seabed. This is made possible by Blue Valley's constant maintenance efforts, generating yearly carbon credits for the voluntary market. Further information is available on the eCO2Care reporting platform.

Choose Room Zero, Stay Green!