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Eco Boutique Hotel

Our Commitment



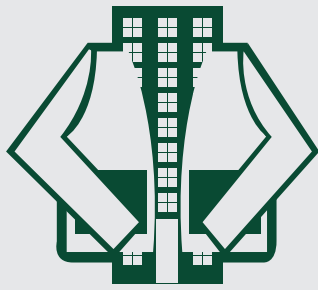
We are a Hotel operated by a large family. We share a fundamental interest in the Evolution of Human Consciousness. We believe that an organization represents the spirit of its people and it is not just a mere lucrative business. Our vision is to become a platform for the transformation, awakening and inspiration of our team and guests.

Our devotion to serve and deliver the best of us is also reflected in our commitment for the health of our guests and for the sustainability of the environment. Day by day we invest resources in sustainable solutions that promote the respect and care of our ecosystem.

Here we share some of our practices with you.

With love,

Sanz Raab Family.



1. Continuous high thickness building surrounding. "Thermal Vest".

Most of the energy used to heat a building is lost when not having adequate thermal insulation. An adequate thermal "skin" is necessary to protect it from temperature, humidity and outside air.

If this protection is optimal, it will improve the quality of life of its occupants, optimize the use of energy and also result in lower emissions.

2. Aerothermics



Aerothermics is a clean technology that extracts thermal energy from the ambient air. "Heat pumps" are used to carry out this process.

We have selected the latest generation of this equipment which provide heating in winter, cooling in summer and sanitary hot water all year round, thereby supplying 100% of the hotel's thermal energy needs.

AEROTHERMICS MEANS CLEAN ENERGY:

- IT DOES NOT NEED FOSSIL FUEL TO RUN, SO IT DOESN'T GENERATE EMISSIONS.

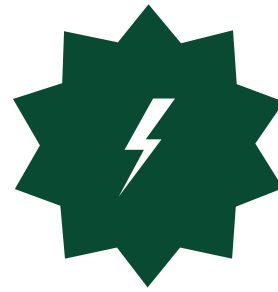
-IT IS A TECHNOLOGY THAT COMBINES ELECTRICITY, MECHANICAL COMPRESSORS AND CHANGES IN THE STATE OF MATTER, IN ORDER TO EXTRACT HEAT FROM THE ENVIRONMENT IN A GRADUAL MANNER AND WITHOUT ALTERING ITS COMPOSITION.

IN LINE WITH THE PARIS CLIMATE TREATY OF 2016 WHICH WAS ADOPTED BY MORE THAN 170 COUNTRIES, WE CAN SAY THAT AEROTHERMICS WILL BECOME ONE OF THE MOST USED FORMS OF AIR CONDITIONING AND ONE OF THE KEY MECHANISMS FOR THE REDUCTION OF FOSSILS FUEL CONSUMPTION.

THE DESIGN OF THE AEROTHERMICS SYSTEM AT THE HOTEL WAS SUPPORTED BY

www.enativa.cl

3. Solar Tracking System



Solar panels (photovoltaic modules) are composed by a set of photosensitive cells which produce electricity from the light that shines on them. This light displaces the electrons from the outermost layers of the atoms, thereby creating a flow of current.

At the Hotel we have chosen to place such panels on a solar tracker, which is a mechanical device capable of orienting the solar panels towards to sunrays throughout the day in order to follow the sun from dawn to dusk, thereby increasing its yield in comparison to static panels. This kind of energy generation will be used to cover part of the internal energy demand of the Hotel.



4. Trash Digester

The only part of the Hotel that uses gas is the kitchen stove. That is why, through our trash digester (which does not use electricity), in addition to considerably reducing the waste generated by the hotel's activity, we generate

Gas from organic wastes and produce natural fertilizers for our garden

More about this system here: <https://homebiogas.com/biogas-plant-digester/>.



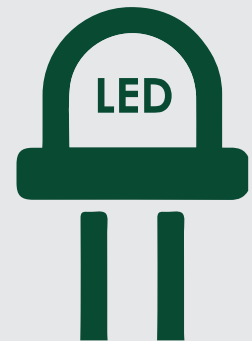
5. Optimum percentage of glazing: 28%

Advantages:

- Thermal insulation: reduces the passage of heat to the inside - generated by solar radiation - by up to 80 %.
- UV protection: laminated glass reduces the UV rays by up to 99%.
- Light control: since this technology allows natural light to pass through, the demand for artificial lighting is reduced.

DVH GLAZING WITH LOW EMISIVITY AND SOLAR PROTECTION PVC FRAMES.

6. Low-power artificial lighting



Advantages:

LED lighting significantly reduces energy consumption and decreases CO₂ emissions compared to equivalent incandescent bulbs. The longer lifecycle (40,000 hours compared to 8,000 hours of CFL bulbs and 1,200 hours of incandescent lights) reduces the need to replace bulbs and results in less waste. LED lights also do not contain mercury, so they can be recycled.

THE BUILDING LIGHTING CONSUMPTION IS 18.46kWh / m² * year

7. Indoor air quality.

The periodic monitoring of the inside air quality (CO₂, O₂, humidity, heat), allows for very precise adjustments of the climate control system and reduces the risk of diseases. Therefore, the monitoring of indoor air quality in each area of our hotel provides greater comfort for our guests, for our team and for the equipment and installed technologies, providing a healthier environment for all.



8. Green Cleaning

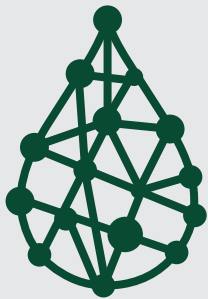
The Hotel uses natural, non-toxic and environmentally friendly cleaning products.



9. Natural Amenities



The Hotel offers our guests vegan and cruelty-free soap, shampoo and conditioner with no petroleum, paraben, colorings or artificial ingredients.



10. Ionized Water for the whole building

All the water of the Hotel passes through a 50 micron filter and then flows through a device called Ionic Accelerator (of Italian origin) which complies with all EC regulations. The water is exposed to a permanent and controlled magnetic field of 10,000 Gauss (1 Tesla) coated with food grade / pharmaceutical Teflon.

Effects:

- A. It converts all calcium carbonate (CaCO_3) from its calcite phase to its aragonite phase (30 to 50 times smaller), thus eliminating the formation of calcareous scale.
- B. It drastically reduces the surface tension of water: Water moistens more, is more easily absorbed and also becomes a better means for dissolution.
- C. It reduces consumption of detergents and soaps by 30% to 50%.
- D. It reduces the rate of microbiological proliferation.

Supplier: Wesmar Chile SPA www.enerquantic.com



Our trash room separates wastes and then compact them. Also, garbage separators will be placed in front of each elevator on each floor, inviting our guests to recycle.

This system is designed and managed by Triciclos: <http://www.triciclos.cl>, a "B company" which was chosen by Forbes magazine as one of the most conscious companies in the world.

11. Trash Recycling and Compactor

12. Electric Cars Charging Stations



The Hotel has charging stations for electric cars, facilitating logistics to all those who have made the effort to purchase an electric car.



13. Green Ride

The Hotel has bicycles available for our guests as well as an optional shuttle service to and from the airport using an electric car.

14. Low water consumption Garden and Herbs' orchard for the Kitchen.



The Hotel designed its garden with plants of low water consumption and has an Orchard with organic herbs for the Kitchen.



15. Sustainable and local suppliers

Our Hotel strives every day to increase the number of local suppliers which operate under the concept of sustainability, thus supporting small producers and farmers and reducing the carbon footprint of our supplies.



16. Vegan Menu.

We are aware that the cattle industry is responsible for 53% of greenhouse gas emissions and is also the leading cause of deforestation, overconsumption of water and the extinction of species.

Therefore, 30% of our Restaurant Menu is plant based. This way, we offer the option to our guests to enjoy a sustainable gastronomy.

17. Continual Evolution....



Our Hotel is committed to adding the greatest amount of ecological practices that are available, in order to become each day a destiny which is more harmonized and aligned with the wishes of our guests and Nature.