



## AMALURRA (\*)

Arzentales - Bizkaia - Spain



*“This initiative can help us to open gates to a new international market to clients, to emerge ourselves with a peculiar attribute which it’s a trend and a global need and also to the realization of a desire of expansion as a collective.”*

**Luis Carrera González, Hotel Architect.**

**On the road to  
Becoming a**

**Nearly Zero Energy Hotel...**

... less energy consumption

...less CO<sub>2</sub> emissions

...better confort for guests

## THE Natural Resort AMALURRA HOTEL ...

In a farm 10 hectares big, located in the heart of Encartaciones of Bizcaia, in the Traslaviña core (Artzentales), Amalurra Natural Resort is an example of an environmental respectful hotel. All its spaces have been designed according to an environmental awareness criteria. It has a rural hotel of 16 rooms; a two storey house with 6 beds which works as a hostel and two complete apartments. It also has a vegetarian restaurant, a coffee bar, a wellness center, and spa, 6 multipurpose rooms; meditation spaces... all of it surrounded by large gardens, barbeques living room and a play area.

### ...a hotel that cares for the environment

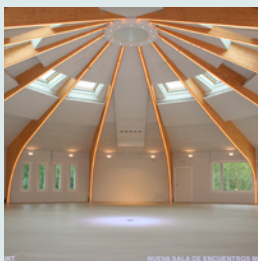
The Hotel Amalurra has been awarded with the first edition of the SOHO awards (launched by the Valencian association AVAENSEN) for implementing innovative measures including economic and environmental criteria. This award recognizes the eco-sustainable design of the resort, not only on the conception of its spaces but also on the construction material used.

Besides, at the World Summit of Sustainable Tourism TS20, recently held in Vitoria (Spain), the Amalurra Resort has been included as a successful Case of Good Environmental Practices.





## ...a hotel engaged to becoming neZEH

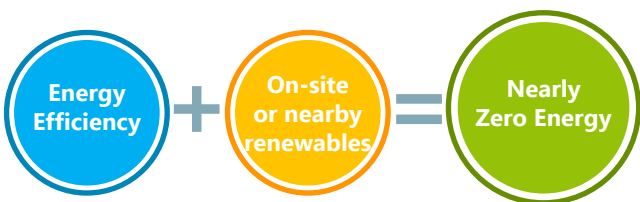


Amalurra is one of the Spanish pilot hotels of the European project neZEH. The resort had to pass a pre-audit in which energy efficiency and saving measures were analyzed and photovoltaic panels, air-conditioning systems and efficient lighting, among other measures would be carried out to reduce energy consumption.

## WHAT IS A NEARLY ZERO ENERGY HOTEL?

A nearly Zero-Energy Hotel (neZEH) is a hotel that has a very high energy performance.

The nearly zero or very low amount of energy required to run the hotel should be covered to a very significant extent by energy from renewable sources on-site or nearby.



## Actions foreseen towards nearly Zero Energy

To become a neZEH, AMALURRA Hotel is engaged in a long-term project, involving several actions. Renewable energy measures such as:

- Creation of indigenous forest by planting more than 3,500 fruit trees and local species.
- Use tree pruned biomass for energy production.
- Installation of thermal solar panels.
- Energy efficiency measures and monitoring.
- Telemetric tracking of production facilities and energy consumption.
- Isolation of DHW channeling and heating pipes.
- Improvement of lighting efficiency with the renovation of energy saving lamps and LED.

Other actions in terms of sustainability:

- Reconditioning of rainwater and drainage.
- Sustainable building and geobiology measures in rehabilitation and new construction.
- Use of ecological detergents and soaps.
- Use of natural products (orchard) or organic food.

### Expected results:

Reaching the neZEH status will represent:

- 42% of energy savings (based on estimations from the energy audit).
- 93,5 tons of CO<sub>2</sub>/year avoided.



## Reasons for going nearly Zero Energy

### **Tourism & climate**

The tourism sector is a significant contributor to worldwide greenhouse gas emissions (transport, energy and resource consumption in hotels, etc.), but is also strongly impacted by the effects of climate change (rising sea levels, extreme weather events, etc.).

Nevertheless, the tourism sector holds many opportunities to contribute to climate change mitigation and adaptation.

### **Buildings & energy**

Buildings represent about 40% of the energy consumption worldwide and around 36% of greenhouse gas emissions in Europe.

It is widely known that buildings are closely linked to climate change issues, both in terms of challenges and opportunities to explore.

### **Contributing to the EU objectives**

Hotel renewal program will help to meet the energy criteria that The European Union has set down for 2050: greenhouse gas emissions reduction in 80%-95% compared to 1990 levels. Nearly Zero Energy Buildings (nZEB) are at the forefront of EU policies to achieve 2050 targets.



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**The AMALURRA hotel is one of the first European Hotels engaged to becoming “Nearly Zero Energy Hotel”.**



**Learn more about the neZEH European project:**  
**[www.nezeh.eu](http://www.nezeh.eu)**

**Contact us at**  
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