

# Ibiscos

GARDEN

Rethymnon - Crete, Greece

## AT THE ENERGY FOREFRONT OF THE EUROPEAN ACCOMMODATION INDUSTRY



"Sustainable growth by protecting the environment is the only way, for our own future and for the generations to come. Becoming a nearly Zero Energy Hotel is a strong step towards sustainability; to be able to grow with nearly Zero or even Zero emissions, this is extremely challenging for us and for our guests! We feel proud and responsible! "

**Tassos Papadourakis** - Hotel Owner and Managing Director

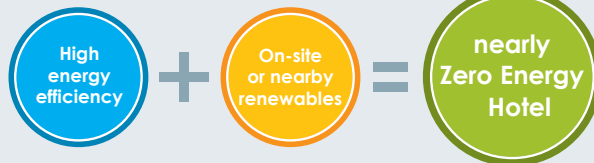
# Ibiscos Garden Hotel

Welcome to the Ibiscos Garden Blue Star hotel in Rethymno. Our hotel has a total capacity of 300 beds and features one restaurant and 3 pools. It was built in 1991 and continues to operate since then, dedicated in providing hospitality and care.

At Ibiscos Garden, we all care about the environment and the sustainable growth and operation of our hotel. This is why we monitor our environmental footprint and continually strive to reduce it.

## Certifications and awards

- ISO 9001 Quality Management and Assurance (since 1997)
- Tjaeborg 2002 Customer Satisfaction Award
- ISO 14001:2004 Environmental Management System
- ISO 22000 Quality and Food Safety Management System
- TUI Nordic 2010 Blue Spirit Award for excellence in performance
- The Green Key EcoLabel (2012)
- Play Hotel Award 2013 & 2014 (part of the Blue Star concept)
- Taste Award 2015
- Tourism Awards 2016, Silver Award for Environmental protection - Public awareness - Monitoring of environmental indicators



**\*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 should be covered to a very significant extent by energy from renewable sources, including energy from renewable sources produced on-site or nearby.

## ...a hotel engaged to becoming neZEH

The hotel management and staff are committed to act for reducing the hotel's environmental impact by saving energy and water and managing solid waste. In this context, we set as a strategic target our refurbishment into a Nearly Zero Energy Hotel, **dramatically reducing our energy consumption by 65% and increasing the use of renewable energy to 50% of our total use of energy.**

We aspire to have our guests by our side, taking part and sharing their experience from staying with us. As one of the first hotels in Greece to be renovated into a nearly Zero Energy Hotel, our vision is that we provide inspiration to more hoteliers!

### Help us save energy by...

- Turning-off the air-conditioning and switching off all lights when leaving your room
- Avoiding "sleep mode" for televisions
- Closing windows and doors when the cooling system is on
- Keeping a reasonable temperature setting in your room (recommended for summer is 25 °C)
- Not leaving water run continuously
- Informing cleaning staff you are willing to keep your towels for more than one day
- Informing staff in case of water leaks

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# Measures towards nearly Zero Energy

To become a neZEH, Ibiscos Garden Hotel has engaged in a long term process, involving several actions, some of them already implemented:

- Installation of photovoltaic panels to cover electricity demand
- Façade insulation with thermal envelope to improve indoor environment comfort
- Installation of advanced ceiling fans, with extremely low noise level
- Use of control systems for cooling and lighting to reduce waste of energy
- Energy upgrading of kitchen equipment
- Replacement of old air-conditioning units with central VRV units of very high efficiency
- Use of LED lighting technology in the guest rooms and public areas
- Increase of solar thermal collectors and hot water storage capacity by 50%, so there is always hot water from the sun
- Installation of gas consumption meters
- Installation of water flow reducers





## Benefits for our guests



- Hot water is always available from the sun, thanks to the increase of solar panels and hot water storage by 50%.
- Noise levels are reduced thanks to the replacement of old air-conditioning units.
- The cleaning of rooms, public spaces and exterior areas is done without using chemicals.
- 80% of the raw materials we use in our restaurant are locally produced. In this way, we actively reduce the environmental impact from transports, we support the local producers and give our guests the opportunity to enjoy local products.
- Our guests enjoy a green stay with reduced carbon footprint!

## Benefits for the environment



Once the neZEH renovation is completed, our hotel will have made a lot of progress in saving energy, natural resources and fighting climate change!



**805.000 kWh of energy saved per year**



**260 tCO<sub>2</sub>eq/year of greenhouse gas emissions avoided**



**267.000 kWh of energy from renewable sources produced per year**

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Machiton Scholis Chorofilakis 19, Rethymnon - Crete, 74100, Greece  
+30 28310 51112, info@ibiscos.gr

[www.ibiscos.gr](http://www.ibiscos.gr)

Find us on



Through the European Initiative nearly Zero Energy Hotels (neZEH) the hotel gained access to technical expertise and received an energy audit recommending technical solutions, feasibility study for decision making and training for managers and staff towards becoming a neZEH.

[www.nezeh.eu](http://www.nezeh.eu)



Co-funded by the Intelligent Energy Europe  
Programme of the European Union

neZEH is supported by the Intelligent Energy-Europe (IEE) programme. The sole responsibility for the content of this publication lies with the authors. It does not necessarily reflect the opinion of the European Union. Neither the EASME nor European Commission are responsible for any use that may be made of the information contained therein.