

## Ibiscos Garden Hotel, Rethymno – Greece Towards neZEH

Tassos Papadourakis, *Hotel Owner and Managing Director*

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### Hotel location







Ibiscos Garden, Blue Star hotel

neZEH

ibiscos GARDEN

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## Ibiscos Garden Blue Star



- a hotel for couples and families; lots of activities for children of all ages.
- located in the beautiful town of Rethymno. Only 150 m from the 12 km long sandy beach -1,500 m from the center of the historical old town.
- Our guests are fascinated to explore the Rethymno prefecture; countless churches and monasteries, historic monuments, archaeological sites, untouched beaches, the numerous gorges, high mountains and traditional villages. *Rethymno encompasses all that is needed for an unforgettable experience*
- We always try to provide hospitality and care.
- We make our best efforts to be socially responsible in the full spectrum of our operation.



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## Ibiscos Garden Hotel overview



<b>Category</b>	Urban
<b>Type</b>	Resort
<b>Beds (no of beds)</b>	327, 6.000 visitors, 50.000 overnights
<b>Main facilities</b>	Kitchen, Restaurant, 3 Pools, kindergarden
<b>Hotel rating (stars)</b>	3*
<b>Environmental labels</b>	ISO 14001:2004, Green Key



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## Sustainability strategy – Vision 1/2



*We recognize the importance of protecting the environment as a pillar of sustainable development.*



**IBISCOS GARDEN** Hotel's Management and Personnel commits to:

- Comply with all legislative or other requirements related to the Hotel's activities and their respective environmental consequences.
- Evaluate the environmental footprint of the Hotel's functions, to reduce its environmental footprint.
- Act in any possible way in favor of environmental protection and pollution prevention.
- Seek continuous improvement through careful planning.



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## Sustainability strategy – Vision 2/2



- Take further action in energy saving, water consumption, reduction and proper management of solid waste.
- Keep all involved partners updated on its environmental policy and encourage their participation.
- Educate its personnel and keep it aware of its Environmental Management System, encouraging their active participation.
- Inform guests, regarding the Hotel's Environmental Policy and encouraging their active participation.



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## Sustainability strategy



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## Why joining neZEH



- Great opportunity to improve our image and service
- Gain from experts advise on how to improve our operation, being more environmental friendly and saving operational cost
- Distinguish amongst competitors
- Meet our Social Responsibility targets
- Added value for our customers; there is demand from the market

*It is very challenging for us, to be able to grow with low or even **ZERO** emissions*



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## Measures towards nearly Zero Energy



Energy efficiency measures	Energy use	% Savings	Investment	Payback
Photovoltaic modules for electricity generation	Renewable Energy	21%	90.000 €	4
Facade insulation for the thermal envelope	General	4%	200.000 €	25
Adding ceiling fans	HVAC	9 %	25.000 €	5
Use of control systems for cooling and lighting	Control	12 %	35.000 €	6
Kitchen equipment	Equipment	17.4%	150.000 €	11
<b>TOTAL</b>			<b>500.000 €</b>	<b>9</b>



## Energy saving



760.950 MWh of energy saved per year (55% saving)



259.510 tCO<sub>2</sub>e/year of Greenhouse Gas emissions avoided.



50% of energy is from renewable sources



### neZEH target:

Primary Energy Consumption: 122 kWh/m<sup>2</sup>y + RES share: 50%



## Challenges for the implementation



- High investments - Finance
- Technical advices and decisions
- Profitability and sustainability of the investment
- Staff training
- Promotion – communicating our neZEH orientation



## Staff engagement



- Training and continued efforts with the hotel's staff for the knowledge required to support the neZEH process
- To make clear that the implementation of the low emissions programme is so important as the safety, the cleaning or the food & beverage in our hotel.





## Customer engagement



- Customers are well informed constantly, as for the neZEH policy and as for the progress of the low emissions program.
- The results of the low emissions program have to be spread around the hotel in many different and smart ways.
- Organize activities for children and adults with the neZEH subject, with a focus on the information and training of the low emissions program



Thank you!  
Contact us at: [info@ibiscos.gr](mailto:info@ibiscos.gr)





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

PROJECT COORDINATOR



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