



www.nezeh.eu

NEARLY ZERO ENERGY HOTELS



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

The neZEH initiative

The European Union (EU) calls on radical reduction of greenhouse gas (GHG) emissions by 2050 (80-95% compared to 1990 levels). Buildings consume 40% of total energy and emit 36% of GHG in Europe. The existing building stock represents the highest potential for energy savings. To achieve 2050 targets, large scale renovations towards Zero Energy are at the forefront of EU policies.



Currently, there are few successful demonstrations of nearly Zero Energy Buildings (nZEB) within the EU region to inspire and drive replications in private sector.

The European initiative [Nearly Zero Energy Hotels \(neZEH\)](#) aims at accelerating the rate of refurbishment of existing hotels to become Nearly Zero Energy Buildings by:

- providing technical advice to committed hotel owners
- demonstrating the profitability, feasibility and sustainability of investments towards nearly Zero Energy
- undertaking training and capacity building activities
- promoting front runners at national, regional and EU level to increase their market visibility.

neZEH is a response to the *European Directive on the energy performance of buildings (2010/31/EU, EPBD recast)*, contributing directly to the EU 2020 targets and supporting EU Member States in their national plans for increasing the number of nZEBs.

The neZEH initiative will run for three years (2013-2016) and is co-funded by the Intelligent Energy Europe Programme (IEE) of the European Commission.

What is a nearly Zero - Energy Building

"A nearly Zero-Energy Building (nZEB) is a building 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."

EPBD recast, Article 2



Expected results

neZEH activities will result in:

- **10-14 pilot projects in 7 countries** (Croatia, Greece, France, Italy, Romania, Spain, Sweden) to demonstrate the feasibility and sustainability of neZEH projects in the SME hotel sector; successful cases will challenge more hotels towards neZEH renovations
- **An EU neZEH network** to facilitate knowledge exchange between the supply side (building professionals) and the demand side (SME hotel owners)
- **A practical e-tool** for hotel owners to assess their energy consumption status and to identify appropriate solutions for energy efficiency improvement
- **Technical and information material** to support the implementation and uptake of nZEB projects
- **Tailor-made marketing guidelines and promotional tools** to assist the front runners to communicate efficiently their business to potential customers
- **15.000+ hotel owners informed**; methodology and results available to any hotel for scaling up.

The neZEH Consortium

Partner		Country	Website
	Technical University of Crete School of Environmental Engineering Renewable and Sustainable Energy Systems Lab PROJECT COORDINATOR	Greece	www.resel.tuc.gr
	Agency of Brasov for the Management of Energy and Environment	Romania	www.abmee.ro
	Creara Consultores S.L.	Spain	www.creara.es
	ENERGIES 2050	France	www.energies2050.org
	Energy Institute Hrvoje Požar	Croatia	www.eihp.hr
	Federation of European Heating, Ventilation and Air-conditioning Associations	EU	www.rehva.eu
	Istituto Superiore sui Sistemi Territoriali per l'Innovazione	Italy	www.sisti.polito.it
	Network of European Regions for a Sustainable and Competitive Tourism	EU	www.necstour.eu
	Sustainable Innovation	Sweden	www.sust.se
	United Nations World Tourism Organization	EU / Int.	www2.unwto.org

Benefits for the hospitality sector

neZEH offers a **competitive advantage to SME hotels** that represent 90% of the European hospitality market and **benefits the entire hospitality industry** through:

- Energy savings and reduction of operational costs
- Unique positioning in a highly competitive market
- Improved image and services for guests
- Access to a new "sustainability" market segment, both individuals and companies
- Increased comfort as an added-value for hotels' guests
- Corporate Social Responsibility targets met; Environmental, social and economic sustainability.

Benefits for the EU Community

The neZEH will **raise awareness and knowledge** of the nZEB concept at regional, national and European level and will promote the endorsement of nZEB policies. This way it will contribute to:

- sensitise national authorities to put in practice policies that support SMEs in undertaking refurbishments to become nZEB
- 190 M€ investments in sustainable energy by 2020
- new green jobs creation
- reduction of GHG emissions up to 100.000 tCO₂e/year by 2020.

Join the neZEH network

You will have access to the latest information on technology solutions, financing and legislation and to experts' advice.

www.nezeh.eu

Contact us

For additional information please contact the project coordinator:



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