SUSTOUR-MED

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KA210-VET - Small-scale partnerships in vocational education and training

Sustainable Tourism Training for the Mediterranean Region

Good Practices: *Education In Progress*

Practice number	*2.2*
Name of the Practice	*Eco Green Suite*
Theme	*2. Energy Efficiency*
Type	*3. Case Study*
Developer / initiator	*Eco Green Suite*
Short description	*Eco Green Residences & Suites is a Residence facility that combines its love towards the environment with high-quality services so as to offer the most memorable vacations.*
Goal	*Allows guests to contribute to saving energy and protecting the environment and nature by organising their own luxury holidays at the Eco Green Living Hotel.*
Detailed description	*Eco Green Residences & Suites Hotel is located in the magnificent Toroni, an earthly paradise with award-winning crystal clear waters, sandy beaches and lush vegetation.* *Our vision is to create an idea that will influence the world philosophy of hotels and set an example. Sustainability is our strong point as we respect nature and offer even more qualitative facilities. A viable energy environment, combined with luxury, brings us closer to our goal. Our goal is to offer the opportunity for breakthrough vacations that will inevitably become nostalgic memories.* ***Latest technology Energy Efficiency applications in our Hotel*** *The most advanced energy-saving technologies were embodied in the hotel's construction.* *Our buildings have environmentally friendly systems, such as thermal insulation systems, photovoltaic systems, energy efficiency windows, solar air conditioning, low consumption lighting, waste management and solar heating. In this way, you can leisurely enjoy luxurious holidays.* 1) ***External thermal insulation system:*** *The building's shell is made with external thermal insulation system,*

	which has a particularly low coefficient of thermal conductivity and thus there is a great deal of energy cool / heat saved; **2)** ***Energy efficient windows:*** *The window frames and glasses are of energy type that allows a very low thermal transmittance of Uf = 1,0W/m2k, wherein the combination of the two material,s the energy windows and the wall insulation is providing the maximum coefficient of heat insulation of the building during the whole year;* **3)** ***Solar air conditioning:*** *To fulfil the needs of space cooling and heating the solar system with the assistance of heat pump and in combination with a solar heating system was used so that the needs of cooling heating as well as hot water are fully covered using renewable energy sources. Alternatively, the cooling capability is provided by the use of a ceiling fan;* 4) ***Solar thermal system:*** *Hot Water for sanitary use is produced from solar energy with the assistance of heat pump;* **5)** ***Photovoltaic system:*** *Photovoltaic system is providing electric energy generation, in a combination with an energy storage system to power the consumptions of the accommodation and also the charging of the electric bicycles and an electric car (prepared to be installed);* **6)** ***B.E.M.S. - Building Energy Management System:*** *An energy management system (B.E.M.S. - Building Energy Management System) is installed, with the use of which, the maximum energy saving is achieved, while offering great convenience and facilities to the visitors;* **7)** ***Low power LED Lighting:*** *Particular emphasis was given to the lighting of the accommodation, so that your stay is made as pleasant as possible with the least possible energy consumption (LED lamps and B.E.M.S.) and with atmospheric lighting scenarios;* **8)** ***Waste management:*** *The hotel is featuring a waste management system.*
Innovativeness	*For a comfortable and pleasant stay, Eco Green Living Suites & Residences have been equipped with the most advanced technology in energy-saving appliances and applications.*

Financial aspect	*€€€ = considerable investment*
Country	*Greece*
Target Group	*Small hotels* *Medium hotel*
Transferability	*the technologies used by the structure to improve its energy efficiency can be easily used and installed in other structures that have the conditions to do so.*
Website and/or relevant links	*https://ecogreensuites.eu/*
Contact information	*https://ecogreensuites.eu/contact/*