

GREEN HILL PROJECT

< TUNISIA >

– ENERGY EFFICIENCY IN THE CONSTRUCTION SECTOR
IN THE MEDITERRANEAN –

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•Photo and short introduction

The purpose of the building is to be a part from an ecohotel situated at Beni Mtir, delegation of Fernana, Governorate of Jendouba. It is a touristic, thermal and esthetic centre designed to SPA concept, which integrates the 5 natural elements through optimising them in order to set a model integrating all site elements in the architectural bio climatic conception.

The chalets (accommodation) can be reproduced in the region as a model for ecotourism or even dwelling / residence.



The main energy concept of the pilot project is:

- Geothermal Energy
 - Heating by the soil
- Solar Energy
 - Photovoltaic modules for electricity production (PV)
 - Solar Air collector for heating and air ventilation
- Bioclimatic architecture
 - Orientation
 - Nature of wrapping (wood, stone, glass...)
 - Bioclimatic (fire place, chimney, Canadian well)
 - Shading concept integrating vegetation+ exterior shading
 - Thermal mass

•Status of the project and photos

- Design phase has been completed
- Simulations under the way to be finalized
- Laying of foundations has started
- The chalets has been ordered to be delivered into 3 months

